

Emergency Medicine Residency Program Scholarly Activity

2024 Peer-Reviewed Publications

1. **Weber KD**, Mower W, Krishnadasan A, Mohr NM, Montoy JC, Rodriguez RM, **Giordano PA**, Eyck PT, Harland KK, Wallace K, McDonald LC, Kutty PK, Hesse EM, Talan DA; Project COVERED Emergency Department Network. Coronavirus Disease 2019 Infections Among Emergency Health Care Personnel: Impact on Delivery of United States Emergency Medical Care, 2020. *Ann Emerg Med.* 2024 Mar 16:S0196-0644(24)00035-0. doi: 10.1016/j.annemergmed.2024.01.023. Epub ahead of print. **PMID: 38493375**
2. Ames SG, Salvi A, Lin A, Malveau S, Mann NC, Sabogal C, Jenkins PC, Hansen M, **Papa L**, Schmitz S, Newgard CD. Timing and Causes of Death to 1-Year Among Children Presenting to Emergency Departments. *Acad Emerg Med* Mar 18 2024; doi:10.1111/acem.14875 **PMID: 38499441**
3. Levi D, Hoogendoorn J, Samuels S, Maguire L, Troncoso R, Gunn S, Katz M, **VanDillen C**, **Miller SA**, **Falk JL**, Katz SH, **Papa L**. The i-gel® Supraglottic Airway Device Compared to Endotracheal Intubation as the Initial Prehospital Advanced Airway Device: A Natural Experiment During the COVID-19 Pandemic. *J Am Coll Emerg Physicians Open.* 2024 Apr 3;5(2):e13150. doi: 10.1002/emp2.13150. **PMID: 38576603**

2024 Book Chapters

2024 Regional, National or International Invited Lectures

1. **Leech S, Davison J.** Critical Care Ultrasound Didactics. January 2, 2024
2. **Leech S, Davison J.** Internal Medicine Ultrasound Didactics. January 11, 2024
3. **Davison J.** PEM US Didactics. January 25, 2024
4. **Leech S, Davison J.** Critical Care Ultrasound Didactics. February 6, 2024
5. **Leech S, Davison J.** Internal Medicine Ultrasound Didactics. February 8, 2024

6. **Lyon C.** Non-accidental Trauma. Pediatric Grand Rounds. February 6, 2024
7. **Briscoe J.** Invited Professorship – Leveraging AI for Automated Referral Workflows and Closed Loop Communication Amongst Providers. Boston University School of Dental Medicine. February 22, 2024
8. **Carr B.** GER in Infants. Presentation for medical faculty and residents at NGA Barau Dikko Hospital in Nigeria for World Telehealth Initiative (WTI). February 27, 2024
9. **Ruffin T.** Pediatric Readiness Multi Trauma High Fidelity Simulation and didactic lecture on traumatic injuries in pediatrics. City of Longwood Fire Department and EMS Agencies from Seminole County, Maitland and Longwood. Longwood, FL February 27, 2024
10. **Leech S, Davison J.** Critical Care Ultrasound Didactics. March 5, 2024
11. **Leech S, Davison J.** Internal Medicine Ultrasound Didactics. March 14, 2024
12. **Carr B.** Emergency Management of Animal Bites. Arnold Palmer Hospital Trauma Quality Meeting. March 28, 2024
13. **Papa L.** Traumatic Brain Injury Biomarker Discovery – from Bench to Bedside. Abbott National Salesforce Meeting. Virtual Presentation. March 28, 2024
14. **Leech S, Davison J.** Critical Care Ultrasound Didactics. April 2, 2024
15. **Leech S, Davison J.** Internal Medicine Ultrasound Didactics. April 11, 2024
16. **Davison J.** Financial Wellness. Life After Residency. Orlando, FL. April 11, 2024
17. **Weber K.** Physician Perspective on Financial Consideration. Life After Residency. Orlando, FL April 11, 2024
18. **Thundiyl J.** Round Table Discussion on Academic Options and Fellowships. Life After Residency. Orlando, FL April 11, 2024
19. **Bergeron B, Ladde J, Thundiyl J.** Ziprasidone-Induced Torsades de Pointes. Poster presentation at American College of Medical Toxicology Annual Scientific Meeting. Washington, DC. April 12-14, 2024

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20. **Papa L.** Blood-based Biomarkers for TBI - Conceptualization to Implementation, Barriers to Widespread Adoption. Keynote Speaker: National Academy of Science Engineering and Medicine Innovation Trends in Technologies for the Prevention, Treatment, and Management of Traumatic Brain Injury. April 15, 2024
21. **Ruffin T.** Pediatric Medical Emergencies Evidence-based Practice in Prehospital and Hospital Settings. Lake County Fire Rescue and Minneola Fire Department Spring Symposium 2024. Minneola, FL. April 24, 2024
22. **Hunter C.** Advanced Cardiac Arrest Care. FAEMSMD State Fellowship Grant Rounds (Virtual). April 29, 2024
23. **Briscoe J.** Streamlining Ambulatory Referrals in the Emergency Department: An Innovative Approach to Enhance Patient Care and Decrease Ambulatory Leakage. XGM – Epic Expert Group Meetings. May 2024
24. **Leech S, Davison J.** Critical Care Ultrasound Didactics. May 7, 2024
25. **Leech S, Davison J.** Internal Medicine Ultrasound Didactics. May 9, 2024
26. **Cramm K.** Basic ER Procedures. Pediatric Grand Rounds. May 10, 2024
27. **Ambrosio P.** PECARN and Pediatric Head Trauma. Pediatric Grand Rounds. May 14, 2024
28. **Davison J.** Peds EM Ultrasound Didactics. May 23, 2024
29. **Thundiyl J.** Organophosphate Toxicity. Grand Rounds. Longisa Hospital; Bomet County, Kenya. May 27, 2024
30. **Leech S, Davison J.** Critical Care Ultrasound Didactics. June 4, 2024
31. **Leech S, Davison J.** Internal Medicine Ultrasound Didactics. June 13, 2024

**2024 Regional, National or International Invited Research Abstracts /
Oral Presentations**

1. **Ojha J, Van Dillen C, Thundiyl JG, Papa L.** Innovative Teaching Format for: Chemical, Biological, Radiological, Nuclear, Explosive Emergencies (CBRNE).

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- Poster presentation at CORD Academic Assembly. New Orleans, LA. March 25 – 28, 2024
2. **Guedry M, Waite W, Davison J, Karr C, Leech S, Sharma R, Ojha J.** Visual Estimation of Left Ventricular Ejection Fraction by Emergency Department Residents is More Accurate in Emergency Department Patients. Poster presentation at CORD Academic Assembly. New Orleans, LA. March 25 – 28, 2024
 3. **Thompson J, Jonap B, Thundiyl JG.** Characteristics of Residency Applicants Choosing Virtual Versus In Person Interviews. Poster presentation at CORD Academic Assembly. New Orleans, LA. March 25 – 28, 2024
 4. **Sharma R, Guedry M, Davison J, Leech S, Harper A, Trojano M.** Emergency Physicians Evaluation of Second and Third Trimester Pregnancy Using Point of Care Ultrasound: A Pilot Study. Poster presentation at CORD Academic Assembly. New Orleans, LA. March 25 – 28, 2024
 5. **Briscoe J, O'Brien N, Toselli N, Gokaraju, Papa L.** The Impact of Post-discharge Virtual Patient Monitoring Technology on Readmission Rates at a Tertiary Care Hospital. Oral presentation at American Telehealth Association National Conference. E-Journal publication. Phoenix, AZ May 2024
 6. **Daniels K, Papa L,** Ono S, Ibrahim J, **Weber K, Miller SA, Ladde J.** Using End-tidal Carbon Dioxide to Predict Blood Product Transfusions and Early Mortality in Trauma Patients. Poster presentation at Society for Academic Emergency Medicine (SAEM) Annual Meeting. Phoenix, AZ. May 14 – 17, 2024. *Acad Emerg Med*; 31 (Suppl.1): 290 (Abstract 659); May 2024 **PMID: 38676388**; DOI: 10.1111/acem.14906

2023 Peer-Reviewed Publications

1. **Thundiyl JG, O'Brien JF, Tymkowicz AE, Papa L.** Is Lateral Decubitus or Upright Positioning Optimal for Lumbar Puncture Success in a Teaching Hospital? *J Emerg Med*. 2023 Jan 11:S0736-4679(22)00527-3
doi: 10.1016/j.jemermed.2022.09.002. Online ahead of print. **PMID 36639325**
2. Weekes AJ, **Davison J,** Lupez K, Raper JD, Thomas AM, Cox CA, Esener D, Boyd JS, Nomura JT, Murphy K, Ockerse, PM, **Leech S,** Johnson J, Abrams E, Kelly C, Connell NS. Quality Of Life 1 Month After Acute Pulmonary

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- Embolism In Emergency Department Patients. *Acad Emerg Med* 2023 Feb 14. doi: 10.1111/acem.14692. Epub ahead of print. **PMID: 36786661**
3. Mohr NM, Santos Leon E, Carlson JN, Driver B, Krishnadasan A, Harland KK, Ten Eyck P, Mower WR, Foley TM, Wallace K, McDonald LC, Kutty PK, Santibanez S, Talan DA; Project COVERED Emergency Department Network. Endotracheal Intubation Strategy, Success, and Adverse Events Among Emergency Department Patients During the COVID-19 Pandemic. *Ann Emerg Med*. 2023 Feb;81(2):145-157. doi: 10.1016/j.annemergmed.2022.09.013. Epub 2022 Nov 4. **PMID: 36336542**; PMCID: PMC9633323
 4. **Thundiyl J**, Williams AT, Little I, Stutsman M, **Ladde JG**, **Papa L**. Does a Change in End Tidal CO2 Level Predict High Altitude Mountain Sickness? *Heliyon*. 2023 May 5;9(5):e16000. doi: 10.1016/j.heliyon.2023.e16000. **PMID: 37215892**
 5. Weekes AJ, Raper JD, Esener D, **Davison J**, Boyd JS, Kelly C, Nomura JT, Thomas AM, Lupez K, Cox CA, Ockerse PM, **Leech S**, Johnson J, Abrams E, Murphy K, O'Connell NS. Comparing Predictive Performance of Pulmonary Embolism Risk Stratification Tools for Acute Clinical Deterioration. *J Am Coll Emerg Physicians Open*. 2023 May 26;4(3):e12983. doi: 10.1002/emp2.12983. **PMID: 37251351**
 6. **Papa L**, Brophy GM, Alvarez W, Hirschl R, Cress M, **Weber K**, **Giordano P**. Sex Differences in Time Course and Diagnostic Accuracy of GFAP and UCH-L1 in Trauma Patients With Mild Traumatic Brain Injury. *Sci Rep*. Jul 22 2023; 13(1): 11833. doi:10.1038/s41598-023-38804-4. **PMID: 37481589**
 7. **Papa L**, **Maquire L**, **Thundiyl JG**, **Ladde JG**, **Miller SA**. Age and Sex Differences in Blood Product Transfusions and Mortality In Trauma Patients at a Level I Trauma Center. *Heliyon* 2023 Vol. 9 Issue 8 Pages e18890. **PMID: 37583761**
 8. **Ladde JG**, **Miller S**, Chin K, Feffer C, Gulenay G, Kepple K, **Hunter C**, **Thundiyl JG**, **Papa L**. End-Tidal Carbon Dioxide Measured at Emergency Department Triage Outperforms Standard Triage Vital Signs in Predicting In-Hospital Mortality and ICU admission. *Acad Emerg Med* Aug 2023 Vol. 30 Issue 8 Pages 832-841 (E-Pub Feb 21, 2023) **PMID: 36802204**
 9. **Papa L**, Cienki JJ, Wilson JW, Axline V, Coyle EA, Earwood RC, **Thundiyl JG**, **Ladde JG**, and for the Florida Alliance for Research in Emergency Medicine (FLARE-EM) Investigators. Sex Differences in Neurological

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Emergencies Presenting to Multiple Urban Level 1 Trauma Centers.
Neurotrauma Reports 2023 4:1, 605-612 **PMID: 37731649**

10. Jenkins PC, Lin A, Ames SG, Newgard CD, Lang B, Winslow JE, Marin JR, Cook JNB, Goldhaber-Fiebert JD, **Papa L**, Zonfrillo MR, Hansen M, Wall SP, Malveau S, Kuppermann N. Emergency Department Pediatric Readiness and Disparities in Mortality Based on Race and Ethnicity. *JAMA Netw Open*. Sep 5 2023;6(9):e2332160. doi:10.1001/jamanetworkopen.2023.32160.
PMID: 37669053

2023 Book Chapters

1. **Clark M**. Overview of Causes of Limp in Children. www.UpToDate.com January 3, 2023
2. **Melendez S**. Rib Fracture. [Rib Fracture: Practice Essentials, Pathophysiology, Etiology \(medscape.com\)](http://RibFracture:PracticeEssentials.Pathophysiology,Etiology(medscape.com)) January 18, 2023
3. Krauss B, **Falk J, Ladde J**. Carbon Dioxide Monitoring (Capnography). www.UpToDate.com August 2023

2023 Regional, National or International Invited Lectures

1. **Leech S, Davison J**. Critical Care Medicine Ultrasound Didactics. January 3, 2023
2. **Ladde J**. UCF Specialty Expert Panel. Grand Rounds. University of Central Florida College of Medicine. January 5, 2023
3. **Leech S, Davison J**. Internal Medicine Ultrasound Didactics. January 12, 2023
4. **Leech S**. MTS US Scan Day. January 27, 2023
5. **Leech S, Davison J**. CCM Ultrasound Didactics: Using the VEXS Score. February 7, 2023
6. **Leech S, Davison J**. Internal Medicine Ultrasound Didactics. February 9, 2023

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7. **Briscoe J.** Emergency Department Virtual Rounding – A Strategy for a Pandemic and Beyond. Oral presentation at American Telehealth Association Research Forum. San Antonio, TX. March 4 – 6, 2023
8. **Briscoe J.** Opening the Digital Front Door: Digital Offerings in a Pediatric Emergency Department. Presentation at Sick Kids, Ontario, Canada. American Telehealth Association Research Forum. San Antonio, TX. March 4 – 6, 2023
9. **Leech S, Davison J.** CCM Ultrasound Didactics: Doppler and DVT US. March 7, 2023
10. **Leech S, Davison J.** Trauma Surgery Ultrasound Didactics: March 7, 2023
11. **Van Dillen C.** Webinar (lead discussion) on EMS Medical Control poster. FAEMSMD. March 7, 2023
12. **Leech S.** MTS Ultrasound Didactics. March 9, 2023
13. **DiCesare D, Duan Y, Fitzpatrick D, Paynter S, Zuver C.** The Effect of Weather and Heat Related Variation on Patient Presentation and Patient Transport Rates. Poster presentation at 2023 World Association of Disaster Medicine Congress on Disaster and Emergency Medicine. Killarney, Ireland. May 9-12, 2023
14. **Salinero E.** Invited professorship: Director for Faculty and Senior Resident Pediatric Emergency Medicine Skills Workshop. Pediatric Residency Program, Orlando Health. March 16, 2023
15. Miller M, **Bustami R, Ambrosio P, Ruffin T.** Assessing the Need for Inhaled Corticosteroid Prescriptions for Pediatric Asthma Patients Discharged from the Orlando Health Arnold Palmer Hospital for Children Emergency Department. Abstract presentation at the Orlando Health Research Symposium. March 22, 2023
16. **Ladde J, Roa JV.** Satisfying Everyone: Introducing A Novel Patient Experience Longitudinal Curriculum In Residency. Presentation at CORD Academic Assembly. Las Vegas, NV. March 21 – 24, 2023
17. **Ladde J.** The Seven Characteristics of a Highly Successful Emergency Medicine Interest Group Faculty Advisor/EM Experience. Presentation at CORD Academic Assembly. Las Vegas, NV. March 21 – 24, 2023

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18. **Ladde J.** Top Ten Facts Every Clerkship Director Should Know About the SLOE Process. Presentation at CORD Academic Assembly. Las Vegas, NV. March 21 – 24, 2023
19. **Ladde J., Hunter C.** Metrics and Morale: How to Balance the Hospital's Demand for Metrics with the Residents Need for Wellness. Presentation at CORD Academic Assembly. Las Vegas, NV. March 21 – 24, 2023
20. **Davison J.** CCM Ultrasound Didactics. April 4, 2023
21. **Ladde J.** Grand Rounds, UCF Specialty Expert Panel. UCF College of Medicine. April 5, 2023
22. **Leech S.** CCM US Didactics. April 6, 2023
23. **Leech S.** MTS US Didactics. April 13, 2023
24. **Davison J.** Financial Wellness. Life After Residency. Orlando, FL April 13, 2023
25. **Thundiyl J.** Things I Wish I Learned During my Residency – a Q & A Panel Discussion. Life After Residency. Orlando, FL April 13, 2023
26. **Briscoe J.** Invited Professorship – Virtual Patient Monitoring to Improve Patient Outcomes. 13th Annual Hugh M. Gloster Celebration. Morehouse School for Medicine. April 20, 2023
27. **Leech S.** Trauma Quality Meeting. FAST Exam Updates. April 28, 2023
28. **Leech S.** CCM Ultrasound Didactics. May 2, 2023
29. **Leech S.** MTS Ultrasound Didactics. May11, 2023
30. **Papa L.** Biomarkers in Mild Traumatic Brain Injury: Concept to Practice. Robert Sbordone Memorial Lecture Speaker. Brain Injury Association of America. National Webinar. May 4, 2023
31. **Wencel LW, Nguyen L, Sharma R,** Rahl D, Hernandez C, Jimenez W, Woodyard R, **Roa JV,** Smith C, **Ladde J.** TacMed1: An Innovative Education Program in Tactical Medicine Education. Special Operations Medical Association (SOMA) Training, Education, Scientific Assembly and Exhibition. Raleigh NC. May 15 – 19, 2023

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32. **Hunter C.** ATLS Introduction to Evaluation and Triage Scenarios. Orlando Health. Orlando, FL. May 19, 2023
33. **Leech S.** CCM Ultrasound Didactics. June 6, 2023
34. **Leech S, Davison J.** MTS Ultrasound Didactics. June 8, 2023
35. **Ladde J.** D3 Grand Rounds: Trauma and Resuscitation. Florida State University COM. July 26, 2023
36. **Leech S.** CCM Ultrasound Didactics. August 1, 2023
37. **Thundiyl J.** THC Lecture for Orlando Health program for DEA. August 2, 2023
38. **Heine E.** Dermatology in the Emergency Department: Dangerous Rashes. FCEP Symposium by the Sea. Bonita Springs, FL. August 3 - 6, 2023
39. **Bumgarner S, Tymkowicz A.** 15 Minute Sessions. FCEP Symposium by the Sea. Bonita Springs, FL. August 3 - 6, 2023
40. **Celeste J, Brennan D.** State of EM in FL - Hot Topics. FCEP Symposium by the Sea. Bonita Springs, FL. August 3 - 6, 2023
41. **Melendez S.** The Crashing Pediatric Patient: Pediatric Fluid Resuscitation. An Educational Simulation Lab with Lectures To Help With the Management of the Crashing Pediatric Patient. FCEP Symposium by the Sea. Bonita Springs, FL. August 3 - 6, 2023
42. **Leech S.** MTS Ultrasound Didactics. August 10, 2023
43. **Ladde J.** Vanderbilt University Grand Rounds Presentation. Journal Club Invited Guest: End-tidal Carbon Dioxide Measured at Emergency Department Triage Outperforms Standard Triage Vital Signs in Predicting In-hospital Mortality and Intensive Care Unit Admission. August 22, 2023
44. **Carr B.** Acute Otitis Media. Presentation for pediatric residents at NGA Barau Dikko Hospital in Nigeria for World Telehealth Initiative (WTI). August 30, 2023
45. **Thundiyl J.** Health Central Grand Rounds: Managing Opioid Use Disorder. August 31, 2023

46. **Leech S, Davison J.** CCM Ultrasound Didactics. September 5, 2023
47. **Leech S.** MTS Ultrasound Didactics. September 7, 2023
48. **Briscoe J.** National Institutes of Health (NIH) / National Cancer Institute (NCI) Telehealth Research Centers of Excellence TRACE Conference: Keynote Speaker – Leveraging AI and Virtual Health to Improve Patient Outcomes and Enhance Care Plan Management. Rockville, MD. September 11 – 12, 2023
49. **Davison J.** Internal Medicine Ultrasound Didactics. September 14, 2023
50. **Hunter C.** Beyond ACLS – Cardiac Arrest Resuscitation Updates. Air Care Critical Care Conference. Orlando Health. October 21, 2023
51. **Leech S.** General Surgery Ultrasound Didactics. October 2 & 3, 2023
52. **Leech S.** CCM Ultrasound Didactics. October 3, 2023
53. **Leech S.** CCM Ultrasound Didactics. October 3, 2023
54. **Van Dillen C.** Osceola County EMS Simulation Training. October 3, 2023
55. **Ladde J.** UCF Specialty Expert Panel. Grand Rounds. University of Central Florida College of Medicine. October 5, 2023
56. **Leech S, Davison J.** MTS Ultrasound Didactics. October 12, 2023
57. **Van Dillen C.** Legal EMS. EMS Fellowships across Florida. October 16, 2023
58. **Davison J.** Peds EM Ultrasound / Procedures. October 26, 2023
59. **Leech S, Davison J.** Critical Care Ultrasound Didactics. November 7, 2023
60. **Leech S, Davison J.** Internal Medicine Ultrasound Didactics. November 9, 2023
61. **Van Dillen C.** OB in EMS. EMS Fellowships across Florida. November 27, 2023

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62. **Briscoe J.** AI Driven Virtual Nursing and Physician Rounding with Tangible Results. Co-Presenter with Orlando Health. American Telehealth Association (ATA) National Conference. November 30, 2023
63. **Melendez S.** Pediatric Hematology / Oncology: Differences in Pediatric Patients. Emergency Medicine Grand Rounds SUNY Downstate Medical Center (Brooklyn, NY). December 2023
64. **Leech S, Davison J.** Critical Care Ultrasound Didactics. December 5, 2023
65. **Leech S, Davison J.** Internal Medicine Ultrasound Didactics. December 13, 2023
66. **Thundiyl J.** Pediatric Toxins and Ingestion. Arnold Palmer Hospital for Children PICU Fellows Grand Rounds. December 14, 2023
67. **Ruffin T.** Pediatric Readiness Multi Trauma High Fidelity Simulation and Didactic Presentation. City of Longwood, FL Fire Department and EMS Agencies. December 19, 2023
68. **Leech S.** TQM FAST Exam Review. December 21, 2023

2023 Regional, National or International Invited Research Abstracts / Oral Presentations

1. **Nguyen L,** Wanthal J, Nadler B, Rowe J, Barneck M, Reed A, **Fitzpatrick D, Van Dillen C, Papa L.** Assessing the Quality of eFast Training for Paramedics. Poster presentation at NAEMSP Conference. Tampa, FL January 25 – 28, 2023
2. **Nguyen L,** Elkes J, Jiang J, Redfield C, McCoy S, Jameson A. Changes in EMT and Paramedic Attitudes Towards Infectious Disease Preparedness, Communication and Support Before and During COVID-19: Results of a Statewide Survey. Poster presentation at NAEMSP Conference. Tampa, FL January 25 – 28, 2023
3. **Wencel L, Nguyen L, DiCesare D, Van Dillen C.** Effectiveness of Case-Based Learning Curriculum on Emergency Medicine Resident Self-Efficacy With Management of Radio Medical Communications. Poster presentation at NAEMSP Conference. Tampa, FL January 25 – 28, 2023

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4. **Wencel L, Nguyen L, Sharma R**, Rahl D, Hernandez C, Jimenez W, Woodyard R, **Roa JV**, Smith C, **Ladde J**. TacMed1: An Innovative Education Program in Tactical Medicine Education. Poster presentation at CORD Academic Assembly. Las Vegas, NV. March 21 – 24, 2023
5. **Sharma R, Heine E, Baker S, Ramirez E, Kelley F, Clemesha C**. Dental Emergency Management: A Workshop Curriculum. Poster presentation at CORD Academic Assembly. Las Vegas, NV. March 21 – 24, 2023
6. **Miracle M**, Weber K, Chekuri B. A Novel Sustainable QI Residency Elective. Poster presentation at CORD Academic Assembly. Las Vegas, NV. March 21 – 24, 2023.
7. **Drone E, Shimshoni D, Ruffin T, Weatherford T**, Wallace C, **Thundiyl J, Ladde J, Papa L**. End Tidal Carbon Dioxide Predicts Early Mortality in Pediatric Trauma Patients. Oral presentation at Society for Academic Emergency Medicine (SAEM) Academic Assembly. Austin, TX. May 15 – 19, 2023 *Acad Emerg Med*; 30 (Suppl.1): 13 (Abstract 12); May 2023 PMID: **37081727** DOI: 10.1111/acem.14718
8. Katz S, Hoogendoorn J, Levi D, Troncoso R, Gunn S, Samuels S, **VanDillen C, Miller S, Falk J, Papa L**. Supraglottic Airway Compared to Endotracheal Intubation as The Initial Advanced Airway In The Prehospital Setting. Lightning oral presentation at Society for Academic Emergency Medicine (SAEM) Academic Assembly. Austin, TX. May 15 – 19, 2023 *Acad Emerg Med*; 30 (Suppl.1): 76 (Abstract 148); May 2023 PMID: **37081727** DOI: 10.1111/acem.14718
9. **Thundiyl J, Trojano M, Dong K**, Rihani D, **Papa L**. Buprenorphine Administration and Repeat ED Visits In Patients With Opioid Use Disorder. ePoster at Society for Academic Emergency Medicine (SAEM) Academic Assembly. Austin, TX. May 15 – 19, 2023 *Acad Emerg Med*; 30 (Suppl.1): 385 (Abstract 832); May 2023 **PMID: 37081727** DOI: 10.1111/acem.14718
10. **Ladde J, Daniels K, Dong K, Miller S, Papa L**. Are There Sex Differences In The Ability Of ETCO2 To Predict Mortality At Triage? Poster presentation at Society for Academic Emergency Medicine (SAEM) Academic Assembly. Austin, TX. May 15 – 19, 2023 *Acad Emerg Med*; 30 (Suppl.1): 359 (Abstract 773); May 2023 **PMID: 37081727** DOI: 10.1111/acem.14718
11. **Papa L**, Alvarez W, Hirschl R, Cress M, Weber W, **Giordano P**. Sex Differences In Time Course And Diagnostic Accuracy Of GFAP And UCH-L1

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- In Mild TBI. Lightning oral presentation at Society for Academic Emergency Medicine (SAEM) Academic Assembly. Austin, TX. May 15 – 19, 2023 *Acad Emerg Med*; 30 (Suppl.1): 140 (Abstract 288); May 2023 **PMID: 37081727**
DOI: 10.1111/acem.14718
12. **Miracle M**, Weber K, Chekuri B. A Novel, Sustainable Quality Improvement Residency Elective. Oral presentation at Society for Academic Emergency Medicine (SAEM) Academic Assembly. Austin, TX. May 15 – 19, 2023 *Acad Emerg Med*; 30 (Suppl.1): 400 (Abstract 862); May 2023 **PMID: 37081727**
DOI: 10.1111/acem.14718
 13. **Trojano M**, Bergeron B, **Dong K**, Rihani D, Smith K, **Thundiyil J**. Does Implementation of a Hospital Wide Buprenorphine Protocol Increase Administration In The ED? ePoster at Society for Academic Emergency Medicine (SAEM) Academic Assembly. Austin, TX. May 15 – 19, 2023 *Acad Emerg Med*; 30 (Suppl.1): 371-372 (Abstract 802); May 2023 **PMID: 37081727**
DOI: 10.1111/acem.14718
 14. **Dong K, Trojano M**, Bergeron B, Rihani D, Bridges J, **Thundiyil J**. Does A Warm Handoff with Bridge Therapy Increase Patient Engagement In Outpatient MAT? Lightning oral presentation at Society for Academic Emergency Medicine (SAEM) Academic Assembly. Austin, TX. May 15 – 19, 2023 *Acad Emerg Med*; 30 (Suppl.1): 230 (Abstract 485); May 2023 **PMID: 37081727**
DOI: 10.1111/acem.14718
 15. **Trojano M, Dong K** Bergeron B, **Thundiyil J**. Factors And Outcomes Associated with Naloxone Administration By Law Enforcement In A Single County. ePoster at Society for Academic Emergency Medicine (SAEM) Academic Assembly. Austin, TX. May 15 – 19, 2023 *Acad Emerg Med*; 30 (Suppl.1): 371 (Abstract 801); May 2023 **PMID: 37081727** DOI: 10.1111/acem.14718
 16. **Karr C, Waite W, Leech S, Davison J**, Gaertig A, Clemmons M. A Modified Ultrasound Lung Score in Patients with COVID-19 in the Emergency Department. Lightning oral presentation at Society for Academic Emergency Medicine (SAEM) Academic Assembly. Austin, TX. May 15 – 19, 2023 *Acad Emerg Med*; 30 (Suppl.1): 100-101 (Abstract 201); May 2023 **PMID: 37081727**
DOI: 10.1111/acem.14718
 17. **Waite W, Davison J, Karr C, Sharma R, Leech S, Guedry M**. Examining The Accuracy of Bedside Calculation Of Ejection Fraction In Comparison To Comprehensive Echocardiogram. Lightning oral presentation at Society for

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Academic Emergency Medicine (SAEM) Academic Assembly. Austin, TX. May 15 – 19, 2023 *Acad Emerg Med*; 30 (Suppl.1): 146 (Abstract 301); May 2023
PMID: 37081727 DOI: 10.1111/acem.14718

18. **Carr B.** Beyond the ED: Pediatric EM. SAEM Southeastern Regional Meeting. University of Central Florida Student Union, Orlando, FL. July 8, 2023
19. **Nuzman N, Papa L, Maguire L, Thundiyil J, Ladde J, Miller S.** Age and Sex Differences in Blood Product Transfusions and Mortality in Trauma Patients at a Level 1 Trauma Center. Poster presentation at FCEP Symposium by the Sea. Bonita Springs, FL. August 3 - 6, 2023
20. **Jardon C,** Cheyney S, Truong RD, Vo M, Garcia J, Desai NN, Hassanein H, Kropf J, Perez S. Successful Treatment of Massive Pulmonary Embolism in Pregnancy with Catheter-Directed Embolectomy. Poster presentation at FCEP Symposium by the Sea. Bonita Springs, FL. August 3 - 6, 2023
21. Duan Y, **DiCesare D, Kubena A, Fitzpatrick D, Zuver C.** The Association Between Race and EMS Patient Offload Times. Poster presentation at FCEP Symposium by the Sea. Bonita Springs, FL. August 3 - 6, 2023
22. **Giordano P.** Burden of Acute Bacterial Skin and Skin Structure Infections (ABSSSI) and Strategies for Determining Patient Disposition. ACEP Scientific Assembly. Philadelphia, PA October 11th, 2023

Current Research and Projects

Active: Closed to enrollment; Data review/analysis ongoing:

A Review of Factors Affecting Adverse Outcomes in the Emergency Department

PI: Cayley, Mary MD JD

(Non-Treatment (Retrospective))

Emergency Department Triage Use of End-Tidal Carbon Dioxide As The Sixth Vital Sign: An Effective Quality And Patient Safety Approach

PI: Ladde, Jay MD

(Retrospective Chart Review)

Utility of End-Tidal CO₂ (ETCO₂) in Trauma Patients

PI: Ladde, Jay MD

(Retrospective Chart Review)

Effect of Physician Support of SWAT teams on COVID 19 Vaccination Attitudes

PI: Ladde, Jay MD

(Non-Treatment (Prospective))

TBI Biomarkers as Indicators of Therapeutic Efficacy

PI: Papa, Linda MD

(Non-Treatment (Prospective))

MRI Follow-up Study for Mild and Moderate Traumatic Brain Injury

PI: Papa, Linda MD

(Non-Treatment (Prospective))

Exploring Blood-Based Biomarkers for Suspected Acute Stroke

PI: Papa, Linda MD

(Non-Treatment (Prospective))

Assessment of Cricothyrotomy Model for Simulation and Education

PI: Van Dillen, Christine MD

(Non-Treatment (Prospective))

End Tidal CO₂ as a Predictor for Outcome In Submersion Injury

PI: Weatherford, Tory MD

(Retrospective Chart Review)

Active: Open to enrollment:

Multiple Patient Program for Lamprene® (Clofazimine) For The Treatment Of Non-Tuberculous Mycobacterial (NTM) Infections

PI: Fox, Jarod MD

(Treatment (drug or other))

NIH Sponsored Biomarkers of Mild and Moderate Traumatic Brain Injury Study

PI: Papa, Linda MD

(Non-Treatment (Prospective))

Emergency Department MCG for Suspected Acute Coronary Syndrome (The EMACS Study)

PI: Papa, Linda MD

(Treatment (Device))

Traumatic Brain Injury Biomarkers Validation Study

PI: Papa, Linda MD
(Non-Treatment (Prospective))

BOPPED HEAD INJURY STUDY

Biomarker Outcome Predictors in the Pediatric Emergency Department for Head Injury

PI: Papa, Linda MD
(Non-Treatment (Prospective))

BOPPED II BIOMARKER OUTCOME PREDICTORS IN THE PEDIATRIC EMERGENCY DEPARTMENT - DEVELOPING A BLOOD TEST FOR MILD TRAUMATIC BRAIN INJURY AND CONCUSSION IN CHILDREN AND YOUTH

PI: Papa, Linda MD
(Non-Treatment (Prospective))

STABILITY OF TRAUMATIC BRAIN INJURY BIOMARKERS (SOTBIB)

PI: Papa, Linda MD
(Non-Treatment (Prospective))

POINT OF CARE TRAUMATIC BRAIN INJURY BIOMARKER STUDY (POCTBIB)

PI: Papa, Linda MD
(Non-Treatment (Prospective))

Feasibility And Safety of Single Dose Ketamine In Acutely Suicidal Patients In The Emergency Department

PI: Papa, Linda MD
(Treatment (drug or other))

Comparing The Effect of Hand Tying And Instrument Tying During Facial Laceration Repair

PI: Weatherford, Tory MD
(Non-Treatment (Prospective) – Registry)

Exempt

Economic Impact of Motorcycle Helmet Use on Healthcare in Central Florida

PI: Cassidy, David MD
(Non-Treatment - Retrospective Chart Review)

Utility of Ultrasound Guided Identification of the Cricothyroid Membrane

PI: Heine, Erich MD

(Non-Treatment (Prospective))

Predicting Response to Naloxone in Patients with Respiratory Depression in the Prehospital Setting.

PI: Hunter, Christopher MD

(Non-Treatment (Prospective))

Educational Impact of Interactive Snake Envenomation Session On Learning And Long-Term Retention In Emergency Medicine Residents

PI: Kepple, Kirsten

(Non-Treatment (Prospective))

Are We Really Stopping the Bleed? Utilizing POCUS To Evaluate Medical Personnel Tourniquet Application

PI: Ladde, Jay MD

(Non-Treatment (Prospective))

The Effect of Pulsed Xenon Ultraviolet Disinfection In The Hospital-Acquired Clostridium Difficile(HA-C.Dif) And Hospital-Acquired Multidrug-Resistant (HA-MDR) Pathogens Infection Rates.

PI: Licitra, Carmelo M., MD

(Non-Treatment - Retrospective Chart Review)

Neuropsychometric Properties of a Cognitive Test Battery in a Heterogeneous Patient Population

PI: Maroof, David PhD

(Non-Treatment - Retrospective Chart Review)

Assessment Of Need of Prehospital Tranexamic Acid In An EMS System With Low Transport Times To Definitive Care.

PI: Miller, Susan A. MD

(Non-Treatment - Retrospective Chart Review)

Factors Associated with Delayed ICU Discharges

PI: Silva, Tania

(Non-Treatment (Prospective))

The Effect of PALS Training on Prehospital Interventions by EMS Personnel in Pediatric Out-Of-Hospital Cardiac Arrests

(Non-Treatment - Retrospective Chart Review)

Broadening Resident Training in Mental Health and Developmentally High-Risk Populations Beyond the Exam Room

PI: Spinelli, Stephanie OTR
(Non-Treatment - Retrospective Chart Review)

Evaluation of the START Triage System in a Multi-Casualty Disaster Field Exercise

PI: Stamile, Zachary MD
(Non-Treatment - Retrospective Chart Review)

Assessing The Accuracy of Pre-Hospital Providers Interpretation Of The Florida POLST Form

PI: Thundiyil, Josef MD
(Non-Treatment - Retrospective Chart Review)

Bringing Ultrasonography to the Pre-hospital Setting: Can Paramedics Become Proficient Sonographers?

PI: Van Dillen, Christine MD
(Non-Treatment (Prospective) - Diagnostic)

Reflective Journaling and its Effect on Resident Physician Wellness

PI: Weatherford, Tory MD
(Non-Treatment (Prospective))

Not Human Subjects Research:

Special Study Targeting Cancer Surveillance

PI: Hodge, Marcia
(Non-Treatment - Retrospective Chart Review)

Effect of Physician Support of SWAT teams on COVID 19 Vaccination Attitudes

PI: Ladde, Jay MD
(Non-Treatment (Prospective))

SWAT Round Up Round Up: Assessment of Physical And Psychologic Stress Of Tactical Officers At An International SWAT Competition

PI: Ladde, Jay MD
(Non-Treatment (Prospective))

Evaluation of Postmortem Porcine End-Tidal CO2

PI: Ladde, Jay MD
(Non-Treatment (Prospective))

BOMBEard vs. SIRS Criteria in the Identification of Severe Sepsis and Septic Shock in the Emergency Department

PI: Rothrock, Steven MD

(Non-Treatment - Retrospective Chart Review)

Quality, Trustworthiness, Readability, And Accuracy of Medical Information Regarding Common Pediatric Emergency Medicine-Related Complaints On The Web.

PI: Rothrock, Steven MD

(Non-Treatment (Retrospective))

Relationship Between Emergency Medicine Resident Patient Encounter Volume And ACGME Milestone Scores

PI: Silvestri, Salvatore MD

(Non-Treatment (Prospective))

Evaluation of The Impact of a Pre-Hospital Sepsis Alert Notification Process

PI: Silvestri, Salvatore MD

(Non-Treatment - Retrospective Chart Review)

Quality Review of Differences between Acute Stroke Patient Management at Comprehensive versus Primary Stroke Centers

PI: Silvestri, Salvatore MD

(Non-Treatment - Retrospective Chart Review)

Evaluation of the START and SALT Triage Methodologies in A Simulated Mass-Casualty Incident Field Exercise

PI: Silvestri, Salvatore MD

(Non-Treatment (Retrospective))

Adverse Upper Airway Events Related to The Use Of Laryngeal Tube Airway (LTA) Devices

PI: Silvestri, Salvatore MD

(Non-Treatment (Prospective))

An Evaluation of Geodon Usage in the Pre-Hospital Setting

PI: Walker, Ayana MD

(Non-Treatment - Retrospective Chart Review)