

DEPARTMENT OF EMERGENCY MEDICINE

RESEARCH ACTIVITY: JANUARY – MARCH 2020

Publications – Peer-Reviewed Articles:

1. deSouza IS. Prevalence of pulmonary embolism in emergency department patients with isolated syncope - the search must continue. *Eur J Emerg Med.* 2020;27(2):151-2. Epub 2020/02/27. doi: 10.1097/mej.0000000000000653. PubMed PMID: 32101965.
2. Feeks C, Chao J, Sinert R. Prevalence and Risk Factors for Burnout in Pediatric Emergency Medicine Fellows. *Pediatr Emerg Care.* 2020. Epub 2020/04/02. doi:10.1097/PEC.0000000000002093. PubMed PMID: 32229786.
3. deSouza IS, Sinert R. Is Experienced Physician Gestalt With an Electrocardiogram Sufficient to Accurately Exclude Acute Myocardial Infarction in a Patient With Suspected Acute Coronary Syndrome? *Acad Emerg Med.* 2020;27(1):83-4. Epub 2019/09/19. doi: 10.1111/acem.13859. PubMed PMID: 31532042.
4. deSouza IS, Tadrous M, Sexton T, Benabbas R, Carmelli G, Sinert R. Pharmacologic cardioversion of recent-onset atrial fibrillation: a systematic review and network meta-analysis. *Europace.* 2020. Epub 2020/03/17. doi: 10.1093/europace/euaa024. PubMed PMID: 32176779.
5. deSouza IS, Tadrous M, Sexton T, Benabbas R, Carmelli G, Sinert R. Pharmacologic Cardioversion of Recent-Onset Atrial Fibrillation and Flutter in the Emergency Department: A Systematic Review and Network Meta-analysis. *Ann Emerg Med.* 2020. Epub 2020/03/17. doi: 10.1016/j.annemergmed.2020.01.013. PubMed PMID: 32173135.
6. Gordon I, Sinert R, Chao J. The Utility of Ultrasound in Detecting Skull Fractures After Pediatric Blunt Head Trauma: Systematic Review and Meta-Analysis. *Pediatr Emerg Care.* 2020. Epub 2020/03/03. doi: 10.1097/pec.0000000000001958. PubMed PMID: 32118837.
7. Patel NH, Hassoun A, Chao JH. The Practice of Obtaining a Chest X-Ray in Pediatric Patients Presenting With Their First Episode of Wheezing in the Emergency Department: A Survey of Attending Physicians. *Pediatr Emerg Care.* 2020;36(1):16-20. Epub 2019/12/19. doi: 10.1097/pec.0000000000002015. PubMed PMID: 31851079.
8. Valesky W, Chow L. Prone Positioning for Acute Respiratory Distress Syndrome in Adults. *Acad Emerg Med.* 2020. Epub 2020/02/26. doi: 10.1111/acem.13948. PubMed PMID: 32096893.
9. Blumenberg A, Benabbas R, Sinert R, Jeng A, Wiener SW. Do Patients Die with or from Metformin-Associated Lactic Acidosis (MALA)? Systematic Review and Meta-analysis of pH and Lactate as Predictors of Mortality in MALA. *J Med Toxicol.* 2020;16(2):222-9. Epub 2020/01/08. doi: 10.1007/s13181-019-00755-6. PubMed PMID: 31907741; PMCID: PMC7099117.

DEPARTMENT OF EMERGENCY MEDICINE

10. Buonara M. Perez H, Stumph J, Allen R, Nahvi S, Cunningham C, Merlin J, Starrels J. Medical Record Documentation About Opioid Tapering: examining Benefit to Harm Framework and Patient Engagement. Pain Medicine. March 6, 2020. doi: 10.1093/pm/PNZ361

Book Chapters:

BERLAND, NOAH. PE PREVALENCE IN ED PATIENTS PRESENTING WITH SYNCOPE (PART 2). JAN 2020. [HTTP://BLOG.CLINICALMONSTER.COM/2020/01/06/ED-PREVALENCE-OF-PE-IN-SYNCOPE-PATIENTS-2-2/](http://BLOG.CLINICALMONSTER.COM/2020/01/06/ED-PREVALENCE-OF-PE-IN-SYNCOPE-PATIENTS-2-2/)

MADDEN, ELI. PICTURE BLOG: ACUTE EYE PAIN. JAN 2020.
[HTTP://BLOG.CLINICALMONSTER.COM/2020/01/20/PICTURE-BLOG/](http://BLOG.CLINICALMONSTER.COM/2020/01/20/PICTURE-BLOG/)

MADDEN, ELI. PICTURE BLOG: ANSWER. JAN 2020.
[HTTP://BLOG.CLINICALMONSTER.COM/2020/01/23/PICTURE-BLOG-ANSWER/](http://BLOG.CLINICALMONSTER.COM/2020/01/23/PICTURE-BLOG-ANSWER/)

SHAH, RUSHABH. SAVE OF THE MONTH. JAN 2020.
[HTTP://BLOG.CLINICALMONSTER.COM/2020/01/26/SAVE-OF-THE-MONTH-JAN-2020/](http://BLOG.CLINICALMONSTER.COM/2020/01/26/SAVE-OF-THE-MONTH-JAN-2020/)

DESAI, SMRUTI. RHYTHM NATION. FEB 5 2020.
[HTTP://BLOG.CLINICALMONSTER.COM/2020/02/04/RHYTHM-NATION-FEBRUARY-2020/](http://BLOG.CLINICALMONSTER.COM/2020/02/04/RHYTHM-NATION-FEBRUARY-2020/)

BERLAND, NOAH. WEDNESDAY CONFERENCE - PULMONOLOGY. FEB 11 2020.
[HTTP://BLOG.CLINICALMONSTER.COM/2020/02/10/WEDNESDAY-CONFERENCE-2-5-20-PULMONOLOGY/](http://BLOG.CLINICALMONSTER.COM/2020/02/10/WEDNESDAY-CONFERENCE-2-5-20-PULMONOLOGY/)

AHMAD, TAHIR. EMERGENT PERICARDIOCENTESIS - A CONTEMPORARY REVIEW. FEB 13 2020.
[HTTP://BLOG.CLINICALMONSTER.COM/2020/02/13/EMERGENT-PERICARDIOCENTESIS-A-CONTEMPORARY-REVIEW/](http://BLOG.CLINICALMONSTER.COM/2020/02/13/EMERGENT-PERICARDIOCENTESIS-A-CONTEMPORARY-REVIEW/)

MURCHISON CHARLES, JOHN DELNA. BENIGN EARLY REPOLARIZATION VS. ANTERIOR STEMI. FEB 20 2020. [HTTP://BLOG.CLINICALMONSTER.COM/2020/02/20/BENIGN-EARLY-REPOLARIZATION-PATTERN-VS-ANTERIOR-STEMI/](http://BLOG.CLINICALMONSTER.COM/2020/02/20/BENIGN-EARLY-REPOLARIZATION-PATTERN-VS-ANTERIOR-STEMI/)

BERLAND, NOAH. WORKING UP PE IN THE EMERGENCY DEPARTMENT: NEGATIVE LIKELIHOOD RATIOS AND FAGAN NOMOGRAMS. FEB 28, 2020.
[HTTP://BLOG.CLINICALMONSTER.COM/2020/02/28/WORKING-UP-PE-IN-THE-ED-NEGATIVE-LIKELIHOOD-RATIOS-AND-FAGAN-NOMOGRAMS/](http://BLOG.CLINICALMONSTER.COM/2020/02/28/WORKING-UP-PE-IN-THE-ED-NEGATIVE-LIKELIHOOD-RATIOS-AND-FAGAN-NOMOGRAMS/)

MANUSCRIPTS: SUBMITTED

1. Aditi Jayanth, Roshanak Benabbas, Jennifer Chao, Richard Sinert. Diagnostic Modalities to Determine Ventriculoperitoneal Shunt Malfunction: A Systematic Review and Meta-analysis. Submitted to: Academic Emergency Medicine
2. Andrea Greene, Roshanak Benabbas, Richard Sinert. Utility of Short Questionnaire Screening Tests to Determine The Probability Of Alcohol

DEPARTMENT OF EMERGENCY MEDICINE

- Consumption During the First Trimester Of Pregnancy. Submitted to: Addiction
3. Bon C, Riscinti M, Sexton T, Benabbas R, Mehta N, Sinert R. Utility of Carotid Artery Point-of-Care Ultrasound in Assessing Fluid Responsiveness: A Systematic Review and Meta-analysis
 4. Benabbas R, Shah G, Zonnoor B, Mehta N, Sinert R. Impact of Triage Liaison Provider on Emergency Department Throughput: A Systematic Review and Meta-analysis
 5. Clark T, Hunt-Irving L, Cartmill C, Hoppens K, Yang D, Butts C, Slaven E. An Unusual Finding in a Case of Syncope
 6. Reimer-McAtee MJ, Clark T, ; Mejia C, Terle J; Pajuelo MJ, Cabeza J, Lora MH, Valencia E, Castro R, Lozano D, Bern C, Torrico F, Gilman RH. HIV and Chagas disease: an evaluation of the use of real-time quantitative PCR to measure levels of *Trypanosoma cruzi* parasitemia in HIV patients in Cochabamba, Bolivia

MANUSCRIPTS: IN DEVELOPMENT

1. Paladino L, Guruaj S, Baron B, Sinert R. The Workup for Zone-2 Penetrating Neck Injuries
2. Conrad, T, Hassel J, Sinert R. The Utility of Interval Likelihood Ratios of Lactate to Predict Mortality
3. Tan C, Paladino L. BRASH Syndrome: A case report
4. Beyda R, Sinert R, Procalcitonin Interval Likelihood Ratios in Serious Bacterial Infections
5. Shah R, Sinert R, Impact of Provider-In-Triage on ED Throughput in an Urban Academic Center
6. Neh M, Liang T, Chao J, Sinert R, Application of the Rochester Criteria and Yale Observation Scale score in febrile infants ≤ 28 days to identify the prevalence of invasive bacterial infection.
7. Arquilla B, Doukas D, Halpern P, Sinert R, Silverberg M. The Impact of Personal Protection Equipment on Intubation Times
8. Tian Liang MD, Naomi Rebollo Rodriguez MD, Silvia Schibeci MD, Tanvi Bagade MD, Richard Sinert DO Interval Likelihood Ratios for Urinalysis Components in Predicting Urinary Tract Infections in Children Under 2 Years
9. Shore A, Chao J, Sinert R, The Prevalence of Albuterol Associated Lactic Acidosis in Pediatric Asthma Exacerbations
10. Taitt H, Mehta N, Sinert R. Systematic Review and Meta-analysis of Telemedicine for Decreasing Geriatric ED Revisits and Hospital Readmissions
11. Saleh M, Tian L, Gordon I, Hao R, Chao J, Sinert R, The Prevalence of Bacteremia in Febrile Neuropenic Immunocompetent Pediatric Patients
12. Karpov A, Sinert R, Systematic Review of “Stop the Bleed Campaign” in Third World Countries

PHYSICIAN INITIATED STUDIES

DEPARTMENT OF EMERGENCY MEDICINE

Actively Enrolling

STUDIES IN DEVELOPMENT

1. Ankle U/s and the Ottawa Ankle Rule

PI: Shah K, Paladino L, Chao J, Sinert R,

2. Adolescent Sexual Health Survey

Weber E, Chao J, Sinert R,

3. EHR Screen for Physical Abuse

Hao R, Chao J, Sinert R,

FUNDED STUDIES

Actively Enrolling

NIH Studies

1. Strategies to Innovate EmergENCy Care Clinical Trials Network (SIREN) – KCHC

NIH-NINDS **1U24NS100681-01**

Gentile (Hub-PI)

2017-2025

We are a hub of Temple University (Philadelphia) supporting multiple treatment trials.

Role: Site Investigator (KCHC)- Richard Sinert, DO

2. Brain Oxygen Optimization in Severe TBI Phase-3 (BOOST-3) – KCHC

NIH Project Number: **1U01NS099046-01A1**

2019-

BOOST3 is a randomized clinical trial to determine the comparative effectiveness of two strategies for monitoring and treating patients with traumatic brain injury (TBI) in the intensive care unit (ICU). The study will determine the safety and efficacy of a strategy guided by treatment goals based on both intracranial pressure (ICP) and brain tissue oxygen (PbtO2) as compared to a strategy guided by treatment goals based on ICP monitoring alone. Both of these alternative strategies are used in standard care.

Role: Site Investigator (KCHC) Gergeory Kapinos, MD

Role: Co-Site Investigator (KCHC) Richard Sinert, DO

3. The National Heart, Lung and Blood Institute (NHLBI)

The National Institute of Neurological Disorders and Stroke (NINDS)[UG3HL145269](#),

[U24HL145272](#), [U24NS100659](#), [U24NS100655](#) from ICECAP: A multicenter, randomized, adaptive allocation clinical trial to identify the optimal duration of induced hypothermia for neuroprotection in comatose survivors of cardiac arrest

Sponsor: NIH

Role: Sub-Investigator: Gregory Kapinos MD Co-Site Investigator: Richard Sinert, DO

Pharmaceutical Studies

1. ClinicalTrials.gov Identifier: NCT03521934 (Sanofi) 2018-21

DEPARTMENT OF EMERGENCY MEDICINE

Sololist Study: A Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter Study to Evaluate the Effects of Sotagliflozin on Clinical Outcomes in Hemodynamically Stable Patients With Type 2 Diabetes POST Worsening Heart Failure

Sponsor: Sanofi

Role: Sub-Investigator: Lorenzo Paladino, MD Co-Site Investigator: Richard Sinert, DO

2. ClinicalTrials.gov Identifier: NCT03539302 (Incarda Therapeutics Australie Pty. Ltd.) 2018-21

Instant Study: To evaluate the conversion of AF to SR and symptom relief by inhaled flecainide acetate inhalation solution, compared to matched placebo, under two oral inhalation dosing regimens in subjects with recent onset of paroxysmal AF. The subjects will be monitored via ECG and telemetry while in the hospital for 240 minutes.

Sponsor: Incarda Therapeutics Australie Pty. Ltd.

Role: Sub-Investigator: Ian deSouza MD Co-Site Investigator: Richard Sinert, DO

3. ClinicalTrials.gov Identifier: NTT03887520 (Novartis.) 2019-

Lipoprotein(a) in Patients With Cardiovascular Disease (CVD): This is a multi-center cross-sectional epidemiological study to estimate the prevalence (%) of patients with elevated Lp(a) in patients with established CVD defined by their medical history. One study visit is planned for data collection. Relevant medical history and laboratory values for LDL-cholesterol (LDL-C) and Lp(a) within a past pre-specified period will be collected retrospectively. In case laboratory data are not available, blood sampling will be performed.

Sponsor: Novartis

Role: Sub-Investigator: Lorenzo Paladino, MD Co-Site Investigator: Richard Sinert, DO

STUDIES IN DEVELOPMENT

**1. ClinicalTrials.gov Identifier: NCT02088957 (UCB) 2014-
A Randomized, Open-label, Multicenter, Parallel-group, Exploratory Study to Evaluate the Efficacy of Intravenous Brivaracetam and Intravenous Phenytoin in Subjects Experiencing Nonconvulsive Electrographic Seizures**

The primary objective of this study is to compare the efficacy of Brivaracetam and Phenytoin, both administered intravenously, in adult subjects experiencing nonconvulsive electrographic seizures.

Sponsor – UCB

Site Investigator: Shahriar Zehtabchi

STUDIES CLOSED THIS QUARTER