

CVC SCCM Research Committee Active Research Projects

1. Stewardship of the Withdrawal of Alcohol Tool (S.W.A.T.)

- i. Project aiming to develop tool to diagnose patients with ETOH withdrawal, while on sedation / mech ventilation.
- ii. PI contact info: Audis Bethea (Audis.Bethea@uky.edu)

2. Compliance of common ICU bundle implementation and related outcomes

- i. Study whether implementation of common ICU bundles improves relevant outcomes.
- ii. PI contact info: George Kasotakis (George.kasotakis@duke.edu)

3. Tracheostomy for weaning off mechanical ventilation

- i. Study aiming to determine patient and tracheostomy parameters that aid in faster ventilator weaning
- ii. PI contact info: Andrew Miller (andrew.g.miller@duke.edu)

4. White paper on ICU Census data

- i. Systematic review on parameters routinely collected by national ICU census registries / databases, to help inform a similar projects in the US. SCCM sponsored.
- ii. PI contact info: George Kasotakis (George.kasotakis@duke.edu)

5. AKI Survey project

- i. Study aiming to determine factors for limited use on biomarkers & best practices in ICU patients with AKI.
- ii. PI Contact info: Ankit Sakhuja (ankit.sakhuja@hsc.wvu.edu)

6. ICU-Opiate use and prediction of long-term dependence and addiction

- i. Study aiming to determine risk factors associated between ICU opiate use and long term dependence / addiction.
- ii. PI contact info: George Kasotakis (George.kasotakis@duke.edu)

7. ARDS prediction in trauma patients

- i. Study aiming to develop risk stratification and prediction for development of ARDS after traumatic injury. Predictive modeling for development of ARDS in the general medical patient population exists (LIPS), however no such tool exists in trauma, the #2 cause of ARDS overall.
- ii. PI contact info: George Kasotakis (George.kasotakis@duke.edu)

8. Traumatic brain injury as an independent predictor for development of ARDS

- i. Study whether traumatic brain injury independently predicts or is a risk factor for development of ARDS in blunt trauma patients.
- ii. PI contact info: George Kasotakis (George.kasotakis@duke.edu)

9. Automated chest compression devices in an inpatient setting

- i. Study aiming to compare outcomes in inpatients receiving CPR via ACCDs, as opposed to manual compressions.
- ii. PI Contact info: Erika Setliff (Erika.setliff@atriumhealth.org)

10. Emergency Intubation in the ICU

- i. Survey-based study aiming to determine patient prep, clinicians involved, procedure, and post-intubation management, across multiple hospital settings.
- ii. PI Contact info: Kim Bagley (kim.bagley@gmail.com)

11. Tracheostomy in COVID-19 positive patients

- i. Interest in studying preferences & biases at tracheostomizing COVID+ patients across multiple clinical / hospital settings.
- ii. PI Contact info: Constance Shreckengost (csharre@emory.edu)