

Supplemental Material

Table S1. ReSS 2020 Young Investigator Awards¹.

Young Investigator Awardee	Research Title
Aaron Braverman	Asphyxial Cardiac Arrest Induces Dynamic Changes in Dopamine Neurotransmission and Linked Behavioral Deficits
Cheng Cheng	Effects of ω -3 Polyunsaturated Fatty Acids on Systemic Inflammation and Post-resuscitation Myocardial Function in a Rat Model of Cardiac Arrest and Cardiopulmonary Resuscitation
Allison Cohen	Time for a Change: Use of Doppler Ultrasound for Pulse Checks in Cardiac Arrest Patients
Ryan Coute	Annual and Lifetime Economic Productivity Loss Due to Adult Out-of-hospital Cardiac Arrest in the United States
Nobuyuki Enzan	Delayed Administration of Epinephrine is Associated with Worse Neurological Outcomes in Patients with Out-of-hospital Cardiac Arrest and Initial Pulseless Electrical Activity
Edward Ford	Characterizing Impact of State Legislation on Cardiac Arrest Outcomes at K-12 Schools
Teresa Gordon	Using Defibrillator Bioimpedance Waveforms to Measure Ventilation During Continuous Chest Compression CPR
Cindy Hsu	Aerosol Generation During Chest Compression and Defibrillation in a Swine Cardiac Arrest Model
Ryan Huebinger	Disparities in Out of Hospital Cardiac Arrest Care and Outcomes in Texas
Tiffany Ko	Non-invasive Measurement of Cerebral Tissue Oxygen Extraction Fraction is Correlated with Microdialysis Brain Injury Biomarkers During Extracorporeal Cardiopulmonary Resuscitation
K.H. Benjamin Leung	A Machine Learning-based Dispatch Rule for Drone-delivered Defibrillators
Hui Li	Artesunate Reduces the Severity of Post-Resuscitation Myocardial and Cerebral Dysfunction
Lian Liang	Combined Therapy with Polyethylene Glycol-20k and MCC950 Preserves Post-resuscitation Myocardial Mitochondrial Function in a Rat Model of Cardiac Arrest and Cardiopulmonary Resuscitation
Ali Malik	Association of Acute Exposure to Ambient Air Particulate Matter and Ozone with Risk of Out-of-hospital Cardiac Arrest
Yusuke Miyazaki	Role of Iron Metabolism on Outcomes after Cardiac Arrest and Resuscitation in Mice
Ryan Morgan	A Pre-Clinical Randomized Blinded Trial of Inhaled Nitric Oxide During Pediatric Cardiopulmonary Resuscitation
Mitsuaki Nishikimi	Identification of Decreased Plasma Lysophosphatidylcholine Using Phospholipidomics in Cardiac Arrest: A Novel Therapeutic Application
Gregory Peters	Cardiac Arrest Management in Rural Prehospital Care
Daniel Rolston	Mechanical, Team-focused, Video-Reviewed Cardiopulmonary Resuscitation Improves Trends in Survival to Discharge and Cardiac Arrest Performance Measures