



Resuscitation Science Symposium 2023

ReSS Program Agenda

November 11-12, 2023 | Sheraton Downtown Philadelphia | Philadelphia, PA

Friday, November 10

8:00 am-12:45 pm	Early Career Sessions at the Philadelphia Convention Center <i>Additional cost to attend Early Career Day for nonmembers; cost is free for members</i>	Pennsylvania Convention Center
3:00-6:00 pm	Registration Opens	Liberty Ballroom Foyer

Saturday, November 11

7:00 am – 5:00 pm	Registration and Exhibits	Liberty Ballroom Foyer
7:00-8:15 am	Continental Breakfast	Liberty Ballroom Foyer
7:00-8:00 am	Penn TTM Academy Breakfast Seminar Post-arrest TTM Dosing: Updates and Insights from Recent Clinical Investigations Benjamin S. Abella, MD, MPhil, FAHA, University of Pennsylvania, Philadelphia, PA New Perspectives on Post-arrest Neuroprognostication David Fischer, MD, University of Pennsylvania, Philadelphia, PA	Liberty Ballroom D
8:15-8:30 am	Symposium Opening Welcome Sarah Perman, MD, FAHA, Yale University, New Haven, CT	Liberty Ballroom A/B/C
8:30-9:45 am	Plenary Session 1: O ₂ , CO ₂ : The Good, the Bad and the Ugly Moderators Laurie Morrison, MD, MSc, University of Toronto/Sunnybrook Health Sciences Centre, Toronto, ON, Canada John Kheir, MD, Boston Children's Hospital, Boston, MA 8:30 Fine Tuning Reoxygenation Deepika Sankaran, MD, FAAP, UC Davis Children's Hospital, Sacramento, CA	Liberty Ballroom A/B/C

	<p>8:45 Pulseless (and Breathless) in Seattle: Ventilation in Cardiac Arrest Nicholas J. Johnson, MD, FACEP, FCCM, University of Washington Harborview Medical Center, Seattle, WA</p> <p>9:00 Impact of Mechanical Ventilation during Resuscitation Laurent Brochard, MD, PhD, University of Toronto, St. Michael's Hospital, Toronto, ON, Canada</p> <p>9:15 TAME Trial Results (via Zoom) Glenn Eastwood, PhD, Monash University, Melbourne, Australia</p> <p>9:30 Panel Discussion, Q&A</p>	
9:45-10:30 am	<p>Presentation of ReSS Awards</p> <p>Moderators Sarah Perman, MD, FAHA, Yale University, New Haven, CT Cameron Dezuflian, MD, FAHA, Baylor College of Medicine, Houston, TX</p> <p>9:45 Lifetime Achievement Award in Cardiac Resuscitation Science Laurie J. Morrison, MD, MSc University of Toronto/Sunnybrook Health Sciences Centre, Toronto, ON, Canada</p> <p>10:00 Ian G. Jacobs Award for International Group Collaboration to Advance Resuscitation Science Sudden Cardiac Arrest UK Peer Support Group Thomas Keeble, BSc, MBBS, MD, Anglia Ruskin School of Medicine, United Kingdom</p> <p>10:10 Resuscitation Champion Award Katherine Y. Brown, EdD, Learn CPR America, LLC/RBW PH Awareness Group, Nashville, TN</p> <p>10:20 Commemoration for Guy Knickerbocker Elizabeth A. Hunt, MD, PhD, MPH, Johns Hopkins Medicine, Baltimore, MD</p>	Liberty Ballroom A/B/C
10:30-11:00 am	Refreshment Break, Networking, Exhibits	Liberty Ballroom Foyer
11:00 am-12:00 pm	<p>Best of the Best Oral Abstract Presentations</p> <p>Moderators Alexis Topjian, MD, MSCE, Children's Hospital of Philadelphia, Philadelphia, PA Ashish R Panchal, MD, Ohio State University Wexner Medical Center, Columbus, OH</p>	Liberty Ballroom A/B/C

11:00

Presentation #100: Blood Pressure Targets and Hemodynamics According to Initial Blood Lactate Levels in Patients with Comatose Out-of-hospital Cardiac Arrest - A Substudy of the Box Trial

Rasmus Paulin Beske, Copenhagen Univ Hosp, Rigshospitalet, Copenhagen, Denmark; Henrik Schmidt, Odense Univ Hosp, Odense, Denmark; Laust Obling, Copenhagen Univ Hosp, Rigshospitalet, Copenhagen, Denmark; Henrik Hoejgaard, Odense Univ Hosp, Odense, Denmark; Johannes Grand, Copenhagen Univ Hosp, Rigshospitalet, Copenhagen, Denmark; Jacob Moeller, Odense Univ Hosp, Odense, Denmark; Jesper Kjaergaard, Christian Hassager, Copenhagen Univ Hosp, Rigshospitalet, Copenhagen, Denmark

11:15

Presentation #101: Prehospital High-dose Methylprednisolone Treatment Reduces Norepinephrine Need Following Resuscitated Out-of-hospital Cardiac Arrest

Laust E.R. Obling, Rasmus P. Beske, Martin A.S. Meyer, Johannes Grand, Rigshospitalet, Copenhagen, Denmark; Fredrik Folke, Herlev-Gentofte Hosp, Copenhagen, Denmark; Jacob E. Møller, Jesper Kjaergaard, Christian Hassager, Rigshospitalet, Copenhagen, Denmark

11:30

Presentation #102: Early Bolus Epinephrine Administration During Pediatric Cardiopulmonary Resuscitation for Bradycardia with Poor Perfusion

Amanda J. O'Halloran, Childrens Hosp of Philadelphia, Philadelphia, PA; Ron Reeder, Salt Lake City, UT; Robert Berg, Children's Hosp of Philadelphia, Philadelphia, PA; Kellimarie Cooper, CHOP, Hoboken, NJ; Kathryn Graham, CHOP, Hoboken, NJ, Philadelphia, PA; Martha Kienzle, Children's Hosp of Philadelphia, Philadelphia, PA; Todd Kilbaugh, Children's Hosp of Philadelphia, Philadelphia, PA, Philadelphia, PA; Kathleen Meert, Children's Hosp of Philadelphia, Philadelphia, PA, Philadelphia, PA, Detroit, MI; Vinay M Nadkarni, 1957, Philadelphia, PA; Alexis A Topjian, CHILDRENS HOSPITAL PHILADELPHIA, Wynnewood, PA; Heather A Wolfe, THE CHILDRENS HOSPITAL OF PHILADEL, Philadelphia, PA; Andrew R Yates, THE CHILDRENS HOSPITAL OF PHILADEL, Philadelphia, PA, Grandview Heights, OH; Robert M Sutton, Children's Hosp of Philadelphia, Philadelphia, PA; Ryan W Morgan, Childrens Hosp of Philadelphia, Philadelphia, PA

11:45

Presentation #103: Quantitative Analysis of Apparent Diffusion Coefficients to Predict Neurological Prognosis in Cardiac Arrest Survivors: An Observational Derivation and Internal-external Validation Study

Jung A Yoon, Chungnam Natl Univ Hosp, Dae-Jeon, Korea, Republic of; Jung Soo Park, You Yeonho, Chungnam national university, Daejeon; Kang Changshin, Min Jin Hong, Yong Nam In, Sejong-si; Byungkook Lee, CHONNAM NAT'L Univ. Hosp, Gwangju; Hong Joon Ahn, Won Joon Jeong, Chungnam Natl Univ Hosp, Dae-Jeon, Korea, Republic of; Yong Hwan Kim, Samsung Changwon Hosp, Changwon, Korea, Republic of; Hye Seon Jeong, Chungnam Natl Univ Hosp, Dae-Jeon, Korea, Republic of

12:00-1:00 pm	<p>Early Career Funding Opportunities</p> <p>Moderator Cameron Dezfulian, MD, FAHA, Baylor College of Medicine, Houston, TX</p> <p>Speakers Michael W. Donnino, MD, Harvard University, Cambridge, MA Glenn Dillon, PhD, American Heart Association, Dallas, TX Norm Paradis, MD, Zoll Foundation, Chelmsford, MA</p> <p>OR Lunch on your own</p>	<p>Liberty Ballroom D</p> <p><i>Lunch for purchase is available in the Liberty Ballroom Foyer. CASH ONLY.</i></p>
1:00-2:15 pm	<p>Plenary Session 2: Cardiac Arrest Resuscitation Across the Lifespan</p> <p>Moderators Benny Joyner, MD, MPH, University of North Carolina, Chapel Hill, NC Melissa Parker, MD, MSc, McMaster University, Hamilton, ON, Canada</p> <p>1:00 Small Infants and Big Babies: NRP vs PALS Mary E. McBride, MD, MEd, Northwestern University Feinberg School of Medicine, Chicago, IL</p> <p>1:15 Interposed Abdominal Compression CPR Daniel Stromberg, MD, The University of Texas at Austin Dell Medical School, Austin, TX</p> <p>1:30 Unique Aspects of Drowning Resuscitation Tracy E. McCallin, MD, FAAP, UH Rainbow Babies and Children's Hospital, Case Western Reserve University, Cleveland, OH</p> <p>1:45 Kids Providing CPR – Maximizing Educational Opportunities Bernd W. Böttiger, MD, FAHA, University Hospital of Cologne, Köln, Germany</p> <p>2:00 Panel Discussion, Q&A</p>	Liberty Ballroom A/B/C
2:15-3:30 pm	<p>Plenary Session 3: Pre-Hospital and Community Interventions</p> <p>Moderators Rudolph W Koster, MD, PhD, University of Amsterdam, Amsterdam, The Netherlands Michelle Nassal, MD, PhD, Ohio State University, Columbus, OH</p>	Liberty Ballroom A/B/C

	<p>2:15 Dispatcher Words Matter Janet Bray, RN, PhD, FAHA, Monash University, Melbourne, Australia</p> <p>2:30 AED Access Report Jon C. Rittenberger, MD, Guthrie Robert Packer Hospital, Sayre, PA</p> <p>2:45 Are Public Access AEDs Really “Public Access”? Carolina Malta Hansen, MD, PhD, Rigshospitalet, Copenhagen, Denmark</p> <p>3:00 Engaging Communities to Teach Lifesaving Skills Ankur A. Doshi, MD, University of Pittsburgh Medical Center, Pittsburgh, PA</p> <p>3:15 Panel Discussion, Q&A</p>	
3:30-4:00 pm	Refreshment Break, Networking, Exhibits	
4:00-5:15 pm	<p>Plenary Session 4: Expanding Upon Under-Researched Populations</p> <p>Moderators Ethan Abbott, DO, Mount Sinai, New York, NY Ameera Haamid, MD, University of Chicago, Chicago, IL</p> <p>4:00 Targeting Hard to Reach Populations: Lessons from Street Medicine Antonio Gumucio, MS, University of Pittsburgh School of Public Health, Pittsburgh, PA</p> <p>4:15 Implementation Science to Reduce Disparity in Cardiac Arrest Jessica C Fowler, MD, MPH, Children’s Hospital of Philadelphia, Philadelphia, PA</p> <p>4:30 Challenges in Equity Research in the Pre-hospital Setting Rebecca E. Cash, PhD, NRP, FAEMS, Massachusetts General Hospital, Boston, MA</p> <p>4:45 Cardiac Arrest in Rural Settings Teresa L. May, DO, MS, Maine Medical Center, Portland, ME</p> <p>5:00 Panel Discussion, Q&A</p>	Liberty Ballroom A/B/C
5:15-6:45 pm	Poster Session 1 and Reception	Freedom/Independence Ballrooms
7:00-10:00 pm	3CPR Council Reception <i>Ticket required to attend.</i>	Liberty Ballroom D

Sunday, November 12

7:00 am-5:00 pm	Registration	Liberty Ballroom Foyer
7:00 am-3:00 pm	Exhibits	
7:00-8:00 am	Continental Breakfast	Liberty Ballroom Foyer
7:00-8:00 am	<p>ECC/ILCOR Lancet Commission on Sudden Cardiac Death</p> <p>Moderator Comilla Sasson, MD, PhD, FAHA, American Heart Association/University of Colorado, Denver, Colorado</p> <p>7:00 Lancet Commission on Sudden Cardiac Disease Eloi Marijon, MD, PhD, Paris University, Paris, France Christine Albert, MD, MPH, Cedars-Sinai, Los Angeles, California Frederik Folke, MD, PhD, Capitol Region of Denmark and University of Copenhagen, Copenhagen, Denmark Kumar Narayanan, MD, Cedars-Sinai, Los Angeles, California Comilla Sasson, MD, PhD, FAHA, American Heart Association/University of Colorado, Denver, Colorado</p> <p>7:30 ILCOR IHCA Ten Steps Presentation Paul S Chan, MD, St Luke's, Kansas City, Missouri Brahmajee K Nallamothu, MD, University of Michigan, Ann Arbor, Michigan</p>	Liberty Ballroom A/B/C
8:00-9:15 am	<p>Plenary Session 5: Controversies in Critical Care Management After ROSC</p> <p>Moderators Jacob C Jentzer, MD, Mayo Clinic, Rochester, MN Ari Moskowitz, MD, MPH, Montefiore Medical Center, Bronx, NY</p> <p>8:00 Personalizing Post-resuscitation Therapeutic Trials Jonathan Elmer, MD, MS, University of Pittsburgh, Pittsburgh, PA</p> <p>8:15 ICU Care for the eCPR Survivor Andrea Elliot, MD, University of Minnesota, Minneapolis, MN</p> <p>8:30 The Fate of EEG and Seizure Management After TELSTAR Carolina B. Maciel, MD, MSCR, FAAN, University of Florida College of Medicine, Gainesville, FL</p> <p>8:45 Sedation in the Post-ROSC ICU Patient: A Double-Edged Sword</p>	

	<p>Edilberto Amorim, MD, University of California, San Francisco, Zuckerberg San Francisco General Hospital, San Francisco, CA</p> <p>9:00 Panel Discussion, Q&A</p>	
<p>9:15-10:30 am</p>	<p>Plenary Session 6: Late-Breaking Resuscitation Science and Critical Care Outcomes</p> <p>Moderators Benjamin S. Abella, MD, MPhil, FAHA, University of Pennsylvania, Philadelphia, PA Dana Edelson, MD, University of Chicago Medicine, Chicago, IL</p> <p>9:15 Presentation #112: EMS Agency Practices Associated with Higher Survival Rates for OHCA <u>Paul S Chan</u>, Mid America Heart Inst, Kansas City, MO; Jessica Sperling, Duke Univ, Durham, NC; Kimberly Dukes, Univ of Iowa, Iowa City, IA; Kevin Kennedy, Saint Luke's Mid America Heart Inst, Kansas City, MO; Marina Del Rios, Univ of Iowa, Iowa City, IA; Bryan McNally, Emory Univ, Atlanta, GA; Khadijah Breathett, Indiana Univ, Bloomington, IN; Saket Girotra, Univ of Texas-Southwestern, Dallas, TX</p> <p>9:30 Presentation #113: Inhaled Nitric Oxide After Resuscitation from Out-of-Hospital Cardiac Arrest <u>Cameron Dezfulian</u>, Baylor Coll of Med, Houston, TX; Jonathan Elmer, University of Pittsburgh, Pittsburgh, PA; Sara Marie DiFiore, Univ of Pittsburgh, Pittsburgh, PA; Nicholas Krehel, Univ of Pittsburgh, Pittsburgh, PA; Francis Pike, Indiana Univ - Purdue Univ, Indianapolis, IN; Alexandra Weissman, Kate Flickinger, Univ of Pittsburgh, Pittsburgh, PA; Dylan Burbee, Johns Hopkins Univ, Baltimore, MD; Valeria Altamirano, Surya Sharma, Univ of Pittsburgh, Pittsburgh, PA; Ankur A Doshi, UPMC, Pittsburgh, PA; Francis X Guyette, U of Pittsburgh, Pittsburgh, PA; Clifton W Callaway, Univ Pittsburgh, Pittsburgh, PA; Jon Rittenberger, Univ Pittsburgh, Pittsburgh, PA, Sayre, PA</p> <p>9:45 Presentation #114: Bag-Valve-Mask Ventilation and Survival from Out-of-Hospital Cardiac Arrest: A Multicenter Study <u>Ahamed H Idris</u>, UT Southwestern Medical Ctr, Dallas, TX; Elisabete Aramendi, Univ of the Basque Country, Bilbao; Brian Leroux, Univ of Washington, Seattle, WA; Xabier Jaureguibeitia, Univ of the Basque Country, Bilbao; Betty Yang, Sarah Shaver, Mary Chang, UT Southwestern, Dallas, TX; Thomas Rea, Peter Kudenchuk, Univ of Washington, Seattle, WA; Jim Christenson, Univ of British Columbia, Vancouver, BC, Canada; Christian Vaillancourt, Univ of Ottawa, Ottawa, ON, Canada; Clifton W Callaway, Univ Pittsburgh, Pittsburgh, PA; David D Salcido, Univ of Pittsburgh, Pittsburgh, PA; Jonas Carson, Univ of Washington, Seattle, WA; Jennifer Blackwood, King County EMS, Seattle, WA; Henry E Wang, The Ohio State Univ, Columbus, OH</p>	<p>Liberty Ballroom A/B/C</p>

	<p>10:00 Presentation #115: "The Slope of Death": Association Between End-Tidal CO2 and Rearrest in Out-of-Hospital Cardiac Arrest <u>Amanda E Kusztos</u>, Jason Coult, Univ of Washington, Seattle, WA; Shiv Bhandari, Univ of Washington Med, Bellevue, WA; Thomas Rea, Heemun Kwok, Michael R Sayre, Catherine Counts, Nicholas J Johnson, Univ of Washington, Seattle, WA</p> <p>10:15 Presentation #116: Physiologically Guided Cardiopulmonary Resuscitation Using End Tidal Carbon Dioxide and Cerebral Oximetry: A Multi-Site Observation Study <u>Sam Parnia</u>, NYU Langone Health, New York, NY; Tara Keshavarz Shirazi, New York, NY; Jignesh K Patel, Stony Brook Medical Ctr, Stony Brook, NY; Linh Tran, Stony Brook Univ Medical Ctr, Stony Brook, NY; NIRAJ SINHA, Stonybrook Univ Medical Cente, Stonybrook, NY; Amanda Mengotto, NYU Langone Health, New York, NY; Shannon Finlay, Univ of Iowa, Iowa City, IA; Michael McBrine, Tufts Medical Ctr, Boston, MA; Thaddeus Tarpey, Elise Huppert, anelly gonzalez, Jing Xu, NYU Langone Health, New York, NY; Gavin D Perkins, Benjamin Bloom, Univ of Warwick, Coventry, United Kingdom; Jarman Heather, St Georges NHS Trust, London, United Kingdom; Rahul Sharma, Deepak Pradhan, New York Presbyterian-Weill Cornell, New York, NY; Charles Deakin, Southampton Univ Hosp, Southampton Hampshire, United Kingdom</p>	
10:30-11:00 am	Refreshment Break, Networking, Exhibits	Liberty Ballroom Foyer
11:00 am-12:00 pm	<p>3CPR Council Awards in Resuscitation Science</p> <p>Moderators Sarah Perman, MD, FAHA, Yale University, New Haven, CT Bradley A Maron, MD, University of Maryland School of Medicine, Baltimore, MD</p> <p>11:00 Presentation of the 3CPR Mid-Career Award and Lecture Cardiac Arrest Resuscitation: Is it all About Location, Location, Location? Brian Grunau, MD, MHSc, University of British Columbia, Vancouver, BC</p> <p>11:45 Presentation of the Max Harry Weil Award Lecture Hydrogen Inhalation Improves Neurologically Intact Survival in Patients after Cardiac Arrest Tomoyoshi Tamura, MD, PhD, KEIO University, Tokyo, Japan</p>	Liberty Ballroom A/B/C
12:00-1:00 pm	<p>Concurrent Session 1a: Joint AHA/Japanese Circulation Society - CPR Training During the COVID-19 Pandemic: Lessons Learned and Future Directions</p> <p>Moderators Audrey Blewer, PhD, MPH, Duke University, Durham, NC Migaku Kikuchi, MD, PhD, Dokkyo Medical University, Tochigi, Japan</p>	<p>Liberty Ballroom A/B/C</p> <p><i>Lunch for purchase is available in the Liberty Ballroom Foyer. CASH only.</i></p>

	<p>12:00 Community CPR Training During the COVID-19 Pandemic: Lessons Learned Katherine Y. Brown, EdD, Learn CPR America, LLC/RBW PH Awareness Group, Nashville, TN</p> <p>12:15 CPR Training Using Virtual Reality (via Zoom) Satoshi Takeda, MD, Jikei University, Tokyo, Japan</p> <p>12:30 CPR Training for Healthcare Providers During the COVID-19 Pandemic: Lessons Learned and Next Steps John A. Erbayri, MS, NRP, CHSE, Academy for Resuscitation of Children Outreach Center for Expertise in Pediatric Emergency Readiness and Training (ExPERT), Philadelphia, PA</p> <p>12:45 CPR Training for Healthcare Providers During the COVID19 Pandemic in Japan Ichiro Kaneko, MD, PhD, Teikyo University, Tokyo, Japan</p>	
12:00-1:00 pm	<p>Concurrent Session 1b: Women in Resuscitation Workshop</p> <p>Chair Pavitra Kotini-Shah, MD, University of Illinois College of Medicine, Chicago, IL</p> <p>Panelist Marina del Rios, MD, University of Iowa, Iowa City, IA</p>	<p>Philadelphia Ballroom</p> <p><i>Lunch for purchase is available in the Liberty Ballroom Foyer. CASH only.</i></p>
12:00-1:00	Lunch on your own	
1:00-2:00 pm	<p>Concurrent Session 2a: Oral Abstracts - Clinical</p> <p>Moderators Cecelia Ratay, DNP, CRNP, University of Pittsburgh, Pittsburgh, PA Ari Moskowitz, MD, MPH, Montefiore Medical Center, Bronx, NY</p> <p>Oral Abstract Presentations</p> <p>1:00 Presentation #104: Photoplethysmogram Signal Characteristics as a Non-Invasive Surrogate of Diastolic Blood Pressure During Cardiopulmonary Resuscitation <u>Dieter Bender</u>, Grace Sutoris, Marc Hershey, Villanova Univ, Villanova, PA; Kathryn Graham, Philadelphia, PA; Vinay M Nadkarni, 1957, Philadelphia, PA; Robert A Berg, Ryan W Morgan, Children's Hosp of Philadelphia, Philadelphia, PA; Robert M Sutton, Children's Hosp of Philadelphia, Philadelphia, PA; C. Nataraj, Villanova Univ, Villanova, PA</p> <p>1:15</p>	Liberty Ballroom A/B/C

	<p>Presentation #105: Rural-urban Differences for Integrated First Responder And Drone Automated External Defibrillator Delivery In North Carolina <u>Jamal Chu</u>, Benjamin Leung, Univ of Toronto, Toronto, ON, Canada; Audrey L Blewer, Duke Univ, Durham, NC; Konstantin Krychtiuk, Duke Clinical Res Inst, Durham, NC; Darrell Nelson, Wake Forest Sch of Med, Winston-Salem, NC; Stephen Powell, Wake Forest Sch of Med, Winston Salem, NC; Bryan F McNally, Emory Univ Sch of Med, Atlanta, GA; Christopher B Granger, DUKE CLINICAL RESEARCH INSTITUTE, Durham, NC; Joseph P Ornato, VIRGINIA COMMONWEALTH UNIVERSITY, Richmond, VA; Daniel B Mark, DUKE UNIV MEDICAL CTR, Durham, NC; Timothy Chan, UNIVERSITY OF TORONTO, Toronto, ON, Canada; Monique A Starks, Duke Univ, Durham, NC</p> <p>1:30 Presentation #106: Assessing Out-of-hospital Cardiac Arrest Management with A New Automated External Defibrillator Algorithm: A Prospective Before-after Study on Ventricular Fibrillation Detection During Chest Compressions With A Shortened CPR Cycle <u>Daniel Jost</u>, Clément Derkenne, Vivien Hong Tuan Ha, Benoit Frattini, Paris Fire Brigade Emergency Dept, PARIS, France; Sarah MENETRE, Jean Philippe Didon, SCHILLER MEDICAL SAS, Wissembourg, France; Frankie BEGANTON, INSERM U970 Sudden Death Expertise Ctr, PARIS, France; Sabine Lemoine, Paris Fire Brigade Emergency Dept, PARIS, France; Wulfran Bougouin, INSERM U970 Sudden Death Expertise Ctr, PARIS, France; Frederic Lemoine, Paris Fire Brigade Emergency Dept, PARIS, France; Eloi Marijon, INSERM U970 Sudden Death Expertise Ctr, PARIS, France; Xavier Jouven, INSERM U970 Sudden Death Expertise Ctr, Paris, France; Stephane Travers, Paris Fire Brigade Emergency Dept, PARIS, France</p> <p>1:45 Presentation #107: Accelerated Intramuscular Epinephrine and Survival In Adult, Non-Traumatic Out-of-Hospital Cardiac Arrest: A Before-After Study <u>Helen N Palatinus</u>, Univ of Utah, Salt Lake City, UT; Michael Johnson, Univ of Utah, Holladay, UT; Henry E Wang, The Ohio State Univ, Columbus, OH; Scott T Youngquist, University of Utha, Salt Lake Cty, UT</p>	
1:00-2:00 pm	<p>Concurrent Session 2b: Oral Abstracts: Translational/Basic Science</p> <p>Moderators Jing Li, MD, University of Illinois Chicago, Chicago, IL John Greenwood, MD, University of Pennsylvania, Philadelphia, PA</p> <p>Oral Abstract Presentations</p> <p>1:00 Presentation #108: Mitochondria-targeted S-nitrosothiol Mitosno Improves Neurological Recovery and Survival After Asphyxial Cardiac Arrest in Rats</p>	Liberty Ballroom D

	<p><u>Yusuke Endo</u>, Feinstein Insts for Medical Res, Manhasset, NY; Lance B Becker, Northwell Health, Manhasset, NY; Ryosuke Takegawa, Feinstein Inst for Medical Res, Manhasset, NY; Tomoaki Aoki, FIMR, Northwell Health System, Manhasset, NY; Eriko Nakamura, FIMR, Northwell Health System, Manhasset, NY, NY, NY; Michael P. Murphy, MRC Mitochondrial Biology Unit, Cambridge, United Kingdom; Kei Hayashida, MRC Mitochondrial Biology Unit, Cambridge, United Kingdom, Manhasset, NY</p> <p>1:15 Presentation #109: Nitric Oxide Added to The Ecmo Circuit Improves Neuroprotection and Cardiac Function After Cardiac Arrest <u>Daniele Linardi</u>, Azienda Ospedaliera Univria Verona, Verona, Italy; Romel Mani, Univ degli Studi di Verona, Verona, Italy, Verona, Italy; Sara Martinazzi, Univ degli Studi di Verona, Verona, Italy; Venanzio Di Nicola, Sissi Dolci, Univ degli Studi di Verona, Verona, Italy, Verona, Italy; Loris Mannino, Univ degli Studi di Verona, Verona, Italy; Ilaria Decimo, Leonardo Gattin, Giovanni Battista Luciani, Alessio Rungatscher, Univ degli Studi di Verona, Verona, Italy, Verona, Italy</p> <p>1:30 Presentation #110: Brain Injury Biomarkers Are Associated with Poor Neurological Outcomes Within 24 Hours After Refractory VT/VF Cardiac Arrest Requiring Extracorporeal Cardiopulmonary Resuscitation <u>Nelly Carolina C Rojas-Salvador</u>, Jason Bartos, Univ of Minnesota, Minneapolis, MN</p> <p>1:45 Presentation #111: Combination Therapy of Hydrogen Inhalation and Hypothermic Temperature Control Improves Neurological Outcomes After Out-of-hospital Cardiac Arrest <u>Tomoyoshi Tamura</u>, Keio Univ Sch of Med, Tokyo, Japan; Hiromichi Narumiya, Japanese Red Cross Kyoto Daini Hosp, Kyoto, Japan; Masaru Suzuki, Tokyo Dental Coll Ichikawa General Hosp, Ichikawa, Japan; HYBRID II Study Group</p>	
2:00-2:15 pm	Refreshment Break, Networking, Exhibits	Liberty Ballroom Foyer
2:15-3:15 pm	<p>Plenary Session 7: Year in Review</p> <p>Moderator Marina del Rios, MD, University of Iowa, Iowa City, IA</p> <p>2:15 Adult Karl Kern, MD, FAHA, University of Arizona, Tucson, AZ</p> <p>2:45 Pediatrics Robert Sutton, MD, MSCE, FAAP, FCCM, FAHA, University of Pennsylvania School of Medicine and The Children's Hospital of Philadelphia, Philadelphia, PA</p>	Liberty Ballroom A/B/C

3:15-3:30 pm	Refreshment Break	Liberty Ballroom Foyer
3:30-5:00 pm	Poster Session 2 and Reception	Freedom/Independence Ballrooms
5:00 pm	ReSS Adjourns	