



Resuscitation Science Symposium 2022

ReSS Program Agenda

Friday, November 4

3:00 PM

Registration Opens

Toronto/Hong Kong Room, West Tower, Ballroom Level

6:30-9:30 PM

Young Investigator Event

Saturday, November 5

7:00 AM

Registration / Exhibits / Continental Breakfast

Toronto/Hong Kong Room, West Tower, Ballroom Level

8:15-8:30 AM

Opening Remarks and the Future of ReSS

Regency Ballroom AB, West Tower, Ballroom Level

Michael W. Donnino, MD, Harvard Medical School, Beth Israel Deaconess Medical School

8:30-9:45 AM

Plenary Session 1: Resuscitation Ethics: Challenges and Controversies

Regency Ballroom AB, West Tower, Ballroom Level

Moderators

Dianne Atkins, MD, FACC, FAHA, University of Iowa

Jonathan Elmer, MD, MS, University of Pittsburgh

8:30 The Bystander Experience

Katie N. Dainty, PhD, MSc, University of Toronto

8:45 Challenges in Consent in Acute Care Research

Jonathan D. Casey, MD, MSCI, Vanderbilt University Medical Center

9:00 From Resuscitation to Organ Donation: How Do We Approach?

Ashish S. Shah, MD, Vanderbilt University Medical Center

9:15 Equity with High-resource Interventions

Laurie J. Morrison, MD, MSc, FRCPC, University of Toronto

9:30 Discussion

9:45-10:30 AM

Presentation of the 2022 Awards for Lifetime Achievement in Cardiac Resuscitation Science, the Ian G. Jacobs Award for International Group Collaboration to Advance Resuscitation Science, and the Resuscitation Science Champion Award
Regency Ballroom AB, West Tower, Ballroom Level

Moderators

Michael W. Donnino, MD, Harvard Medical School, Beth Israel Deaconess Medical School
Sarah Perman, MD, MS, University of Colorado

9:45 Lifetime Achievement Award in Cardiac Resuscitation Science Recipient
Tom P. Aufderheide, MD, MS, FACEP, FACC, FAHA

10:00 ReSS Champion Award Recipients

10:00 – 10:10 Ward M. Hamilton

10:10 – 10:20 Kristin Flanary

10:20 Ian G Jacobs Award for International Group Collaboration to Advance Resuscitation Science Recipient
TTM Trials Group

10:30 – 11:00 AM

Break / Networking / Exhibits

Toronto/Hong Kong Room, West Tower, Ballroom Level

11:00-12:00 PM

Best of the Best Oral Abstract Presentations

Regency Ballroom AB, West Tower, Ballroom Level

Moderators

Robert Berg, MD, FAAP, Children's Hospital of Philadelphia

Jerry Nolan, MB, ChB, Royal United Hospital, Bath

11:00	Diagnostic Yield, Safety, and Outcomes with Head-to-Pelvis Sudden Death Computed Tomographic Imaging After Idiopathic Out-of-Hospital Cardiac Arrest: The CT First Cohort Study Kelley R Branch , UNIVERSITY OF WASHINGTON, Seattle, WA; Medley Gatewood, North Bend, WA; Peter Kudenchuk, Univ of Washington; Charles Maynard, Univ of Washington, Seattle, WA; Michael R Sayre, UNIVERSITY OF WASHINGTON, Seattle, WA; David Carlbom, UNIVERSITY OF WASHINGTON, Seattle, WA, Seattle, WA; Rachael Edwards, UNIVERSITY OF WASHINGTON, Seattle, WA, Seattle, WA, Normandy Park, WA; Aris Karatasakis, Catherine Counts, Univ of Washington, Seattle, WA; Martin Gunn	01
11:15	Intravenous Oxygen Microparticles as Resuscitative Fluid Improves Outcomes in A Swine Model of Asphyxial Cardiac Arrest Julia Garcia Mancebo , Kristen Sack, Boston Children's Hosp, Boston, MA; Jay Hartford, Saffron Dominguez, Arthur Nedder, Michelle Barcarcel-Monzon, John Kheir, Boston Children's Hosp, Boston, MA; Yifeng Peng, Boston, MA	02
11:30	Early Post-Cardiac Arrest Blood Pressure Thresholds Associated with Outcomes: A Secondary Analysis of the ICU-Resuscitation Trial	03

	<p>Monique M Gardner, Children's Hosp of Philadelphia, Philadelphia, PA; David Hehir, Wilmington, DE; Ron Reeder, Wilmington, DE, Salt Lake City, UT; Robert A Berg, Children's Hospital of Philadelphia, Philadelphia, PA; Ericka L Fink, Children's Hospital Pittsburgh, Pittsburgh, PA; Stuart Friess, Washington Univ St Louis, Saint Louis, MO; Kathryn Graham, Washington Univ St Louis, Saint Louis, MO, Philadelphia, PA; Monica L Harding, Univ of Utah, Salt Lake City, UT; Ryan W Morgan, Children's Hosp of Philadelphia, Philadelphia, PA; Vinay M Nadkarni, 1957, Philadelphia, PA; Heather A Wolfe, Children's Hospital of Philadelphia, Philadelphia, PA; Robert M Sutton, Children's Hosp of Philadelphia, Philadelphia, PA; Alexis A Topjian, CHILDRENS HOSPITAL PHILADELPHIA, Wynnewood, PA</p>	
11:45	<p>Chest Compressions Superimposed with Sustained Inflations Compared to Continuous Chest Compressions with Asynchronized Ventilation During Cardiopulmonary Resuscitation in Asphyxiated Pediatric Piglets - A Randomized Controlled Animal Study</p> <p>Chelsea Morin, Univ of Alberta, Edmonton, AB, Canada; Po-yin Cheung, Royal Alexandra Hospital, Edmonton, AB, Canada; Tze Fun Lee, Megan O'Reilly, Univ of Alberta, Edmonton, AB, Canada; Georg Schmolzer, Univeristy of Alberta, Edmonton, AB, Canada</p>	04

12:00 - 12:45 PM

Lunch Break on your own

12:45 - 1:45 PM

Concurrent Session A

Women in Resuscitation Networking Meeting

Acapulco Room, West Tower, Ballroom Level

Moderators/Facilitators:

Lorell E. Toft, MD, University of Nevada

Pavitra Kotini-Shah, MD, University of Illinois at Chicago

12:45 - 1:45 PM

Concurrent Session B

Joint Session: Japanese Circulation Society / American Heart Association

Preventive Approaches for Sudden Cardiac Death

Regency Ballroom AB, West Tower, Ballroom Level

Moderators:

Taku Iwami, MD, Kyoto University Graduate School of Medicine

Zian H. Tseng, MD, MAS, FHRS, University of California, San Francisco

12:45 Chest Pain Registry and Stop MI Campaign to Establish a Preventive Strategy for Sudden Cardiac Arrest

Satoshi Yoshimura, MD, Rakuwakai Otowa Hospital / Kyoto University Graduate School of Medicine

1:00 Can Warning Symptoms Predict Imminent Out-of-Hospital Cardiac Arrest?

Sumeet S. Chugh, MD, FAHA, Cedars Sinai Medical Center

- 1:15 Genomic Autopsy to Determine the Preventable Cause of Sudden Cardiac Arrest and Save Relatives
Seiko Ohno, MD, PhD, National Cerebral and Cardiovascular Center Research Institute
- 1:30 The Power and Peril of Genetic Testing for Sudden Cardiac Death-Associated Genetic Heart Disease
Michael J. Ackerman, MD, PhD, Mayo Clinic

1:45 – 3:15 PM

Poster Session 1

Regency Ballroom CD, West Tower, Ballroom Level

3:15 – 4:30 PM

Plenary Session 2: The Future of Defibrillation

Regency Ballroom AB, West Tower, Ballroom Level

Moderators

Steven C. Brooks, MD, MHSc, Queen's University

Carolina Malta Hansen, MD, PhD, Copenhagen University Hospital

- 3:15 Lay Defibrillation in the Home: Can Innovation and/or Technology Deliver
Ruud Koster, MD, PhD, Amsterdam University Medical Center
- 3:30 Multi-Modal Approach to Defibrillation
Marcus Ong, MBBS, MPH, Singapore General Hospital
- 3:45 Drone Delivery and AEDS
Sofia Schierbeck, MD, Karolinska Institute
- 4:00 Disparities in AED Placement, Access, and Training
Ryan Huebinger, MD, UT Health of Houston
- 4:15 Discussion

4:30 – 5:00 PM

Break / Networking / Exhibits

Toronto/Hong Kong Room, West Tower, Ballroom Level

5:00 – 6:15 PM

Plenary Session 3: Neuroprognostication

Regency Ballroom AB, West Tower, Ballroom Level

Moderators

Alexis M. Steinberg, MD, University of Pittsburgh

Sachin Agarwal, MD, MPH, Columbia University Medical Center

- 5:00 Challenging the 72-hour Window
Alexandra Stillman, MD, Beth Israel Deaconess Medical Center
- 5:15 Neuroprognostication in eCPR
Jason Bartos, MD, PhD, University of Minnesota

- 5:30 Promise of Better Prediction Models? AI and Future Approaches
Ziad Obermeyer, MD, MPhil, University of California Berkeley
- 5:45 Nuances in Pediatric Neuroprognostication
Ericka Fink, MD, MS, UPMC Children's Hospital of Pittsburgh
- 6:00 Discussion

7:00 PM
3CPR Reception & Annual Business Meeting
(Ticketed event)
Plaza Ballroom, East Tower, Lobby Level

Sunday, November 6

7:00 AM
Registration / Exhibits / Continental Breakfast
Toronto/Hong Kong Room, West Tower, Ballroom Level

7:30 – 8:15 AM
Post Arrest Care: Updates on Targeted Temperature Management and Neuroprognostication
Sponsored by Penn TTM Academy
Crystal Ballroom A, West Tower, Lobby Level
This event supported by Penn TTM Academy and is not part of the accredited ReSS 2022 program.

8:15 – 9:30 AM
Oral Abstract Session: Optimizing Intra-arrest Outcomes and
Presentation of the Max Harry Weil Award
Regency Ballroom AB, West Tower, Ballroom Level
Moderators
Judith Finn, PhD, MEdSt, GradDipPH, BSc, DipAppSc, RN, RM, ICCert, FACN, FAHA, ERC(Hon.),
Curtin University
Munish Goyal, MD, MBBS, MedStar Washington Hospital Center

Oral Abstract Presentations

8:15	Hospital Variation in Epinephrine Administration Prior To Defibrillation for Cardiac Arrest Due to Shockable Rhythm Colten Stewart , Univ of Iowa Hosp and Clinics, Iowa City, IA; Paul S Chan, Mid America Heart Institute, Kansas City, MO; Kevin Kennedy, St. Luke's Hosp, Kansas City, MO; Morgan Swanson, St. Luke's Hosp, Kansas City, MO, Des Moines, IA; Saket Girotra, Univ of Iowa, Iowa City, IA	05
8:30	Feasibility of Accelerated Code Team Activation with Code Button Triggered Smartphone Notifications Cody Couperus , Zach Dezman, Rebekah Friedrich, Samuel Gurmu, Dan Lemkin, Nicholas Morris, Univ of Maryland Medical Ctr, Baltimore, MD	06

8:45	Percutaneous Ventricular Assist Devices in Refractory Cardiac Arrest: The Role of Chest Compressions Adam L Gottula, The Univ of Michigan, Ann Arbor, MI; Brendan McCracken, Takahiro Nakashima , Univ of Michigan, Ann Arbor, MI; Nicholas Greer, Traci Cramer, The Univ of Michigan, Ann Arbor, MI; Nadia R Sutton, UNIVERSITY MICHIGAN, Ann Arbor, MI; Kevin R Ward, UNIVERSITY OF MICHIGAN, Ann Arbor, MI; Robert H Neumar, The Univ of Michigan, Ann Arbor, MI; Cindy H Hsu, Univ of Michigan, Ann Arbor, MI; Mohamad H Tiba, The Univ of Michigan, Ann Arbor, MI	07
9:00	Computed Tomography Perfusion of Cerebral Blood Flow During Open Cardiac Massage for Hypovolemic and Normovolemic Cardiac Arrest in Swine Rebecca N Treffalls , R. Adams Cowley Shock Trauma Ctr, Baltimore, MD; David P Stonko, Johns Hopkins Hosp, Baltimore, MD; Neerav Patel, R. Adams Cowley Shock Trauma Ctr, Baltimore, MD; Joseph Edwards, Hossam Abdou, R. Adams Cowley Shock Trauma Ctr, Baltimore, MD; Noha Elansary, Patrick Walker, R. Adams Cowley Shock Trauma Ctr, Baltimore, MD; Jonathan J Morrison, R. Adams Cowley Shock Trauma Ctr, Baltimore, MD	08

Max Harry Weil Award Presentation

- 9:15 Monitoring the Tissue Perfusion During Hemorrhagic Shock and Resuscitation: Tissue-to-arterial Carbon Dioxide Partial Pressure Gradient in a Pig Model
Yusuke Endo, DVM, PhD, Feinstein Institutes for Medical Research, Port Washington, NY

9:30 – 10:45 AM

Plenary 4: Bench to Bedside: Metabolism and Arrest
Regency Ballroom AB, West Tower, Ballroom Level

Moderators

Katherine Berg, MD, Beth Israel Deaconess Medical Center
Pavitra Kotini-Shah, MD, University of Illinois at Chicago

- 9:30 Nitric Oxide and Sulfide Metabolism in Cardiac Arrest
Cameron Dezfulian, MD, Texas Children's Hospital
- 9:45 Role of Calcium in Cardiac Arrest
Mikael F. Vallentin, MD, Prehospital Emergency Medical Services, Central Denmark Region
- 10:00 Beta Blockers During or After Arrest
Casey B. Patrick, MD, FAEMS, Harris County ESD11 Mobile Healthcare and Montgomery County Hospital District EMS service in Greater Houston
- 10:15 New Insights into Mitochondrial Metabolism
Thomas Sanderson, PhD, University of Michigan
- 10:30 Discussion

10:45 – 11:15 AM

Break / Networking / Exhibits

Toronto/Hong Kong Room, West Tower, Ballroom Level

11:15 – 12:15 PM

Oral Abstract Concurrent Session A: Disparities

Crystal Ballroom A, West Tower, Lobby Level

Moderators

Samantha Fernandez Hernandez, MD, Baylor College of Medicine

Catherine Ross, MD, Boston Children's Hospital

11:15	Readmission Risk and The Role of Racial Residential Segregation Following Out-of-hospital Cardiac Arrest Among Medicare Beneficiaries Ethan Abbott, David Buckler , Icahn Sch of Med at Mount Sinai, New York, NY; Jesse Hsu, Benjamin Abella, Univ of Pennsylvania, Philadelphia, PA; Brendan G Carr, Alexis Zebrowski, Icahn Sch of Med at Mount Sinai, New York, NY	09
11:30	Association Of Race and Medical Emergency Team Evaluations Prior To In Hospital Cardiac Arrest Cody-Aaron Gathers , Ryan W Morgan, Children's Hosp of Philadelphia, Philadelphia, PA; Jessica Alvey, Ron Reeder, Univ of Utah, Salt Lake City, UT; Zachary D Goldberger, Univ of Wisconsin-Madison, Madison, WI; Jessica Fowler, Maryam Naim, Amanda O'Halloran, Children's Hosp of Philadelphia, Philadelphia, PA; Raina Merchant, Univ of Pennsylvania, Philadelphia, PA; Martha Kienzle, Vinay M Nadkarni, Children's Hosp of Philadelphia, Philadelphia, PA; Robert A Berg, CHILDRENS HOSPITAL OF PHILADELPHIA, Philadelphia, PA; Robert M Sutton, Children's Hosp of Philadelphia, Philadelphia, PA	10
11:45	Community Interventions to Improve Out-of-hospital Cardiac Arrest Survival: Targeting Public Housing Could Be a Solution Anne Juul Joergensen , Res department, Ballerup, Denmark; Julie S Kjoelbye, Mads Christian Tofte Gregers, Louise K Jakobsen, Copenhagen EMS, Ballerup; Astrid Rolin Kragh, EMS Copenhagen, 2750, Denmark; Florian Ettl, Medical Univ of Vienna, Vienna, Austria; Konstantin Krychtiuk, Medical Univ of Vienna, Vienna; Patrick Sulzgruber, Medical Univ of Vienna, Vienna, Austria; Mario Krammel, EMS Vienna, Vienna, Austria; Christian Torp-Pedersen, Gentofte Univ Hosp, Copenhagen; Annette Kjær Ersbøll, Res department, Ballerup, Denmark; Fredrik Folke, Carolina Malta Hansen, Copenhagen EMS, Ballerup	11
12:00	Identifying Emergency Medical Service Agencies in Black and Hispanic Communities with High Cardiac Arrest Survival Rates Anezi Uzendu , Mid America Heart Inst, Kansas City, MO; Philip Jones, SAINT LUKES MID AMERICA HEART INST, Kansas City, MO; John Spertus, Saint Luke's Mid America Heart Inst, Kansas City, MO; Paul S Chan, MID AMERICA HEART INSTITUTE, Kansas City, MO	12

11:15 – 12:15 PM

Oral Abstract Concurrent Session B: Basic Science

Regency Ballroom AB, West Tower, Ballroom Level

Moderators

Raúl Gazmuri, MD, PhD, FCCM, Rosalind Franklin University of Medicine and Science

Theresa M. Olasveengen, MD, PhD, Oslo University Hospital

11:15	<p>Myocardial Metabolic and Electrolyte Derangements Linked to PEA Rearrest</p> <p>Laken Irish, The MetroHealth System, Case Western Reserve Univ, Cleveland, OH; Bisan Abboud, Northeast Ohio Medical Univ, Rootstown, OH; Lydia Akino, Soufian Almahameed, Ohad Ziv, The MetroHealth System, Case Western Reserve Univ, Cleveland, OH; Steven Poelzing, Virginia Tech, Roanoke, VA; Joseph S Piktel, Kenneth R Laurita, Lance D Wilson, The MetroHealth System, Case Western Reserve Univ, Cleveland, OH</p>	13
11:30	<p>A Novel Pharmacologic Peptide Improved Survival and Neurologic Outcomes After Swine PEA</p> <p>, Johns Hopkins Univ, Baltimore, MD; Jing Li, UNIVERSITY ILLINOIS AT CHICAGO, Chicago, IL; Daniel Ambinder, JOHNS HOPKINS, Baltimore, MD; Masahito Suzuki, Johns Hopkins Univ, Baltimore, MD; Ethan Tumarkin, Johns Hopkins Hosp, Odenton, MD; Sarah Fink, Johns Hopkins Univ, Baltimore, MD; Xiangdong Zhu, Univ of Illinois at Chicago, Chicago, IL; CODY JUSTICE, Univ of Illinois at Chicago, Chicago, IL, Chicago, IL; Terry L Vanden Hoek, UNIVERSITY ILLINOIS CHICAGO, Chicago, IL; Henry R Halperin, JOHNS HOPKINS HOSPITAL HALSTED 571, Baltimore, MD</p>	14
11:45	<p>Hypoxia as Therapy for Mitochondrial Injury Following Cardiac Arrest</p> <p>Lin Piao, UNIVERSITY CHICAGO, Chicago, IL; Yong-hu Fang, UNIVERSITY OF CHICAGO, Chicago, IL; Rongxue R Wu, Univeristy of Chicago, Chicago, IL; Stephen L Archer, Queen's Univ, Kingston, ON, Canada; Willard W Sharp, UNIVERSITY OF CHICAGO, Chicago, IL</p>	15
12:00	<p>Cardiac Mitochondrial Transcription Factor A Overexpression Protects Against Stunning and Improves Mortality in a Mouse Model of Cardiac Arrest</p> <p>Cody A Rutledge, Sam Duvall, Univ of Pittsburgh, Pittsburgh, PA; Kevin Redding, Pittsburgh, PA; Cameron Dezfulian, Texas Children's Hosp, Houston, TX; Brett A Kaufman, UNIVERSITY OF PITTSBURGH, Pittsburgh, PA</p>	16

12:15 – 1:00 PM

Lunch Break

1:00 – 2:00 PM

Plenary Session 5: Year In Review

Regency Ballroom AB, West Tower, Ballroom Level

Moderator:

Ari Moskowitz, MD, Montefiore Medical Center

1:00 Year in Review: Adults

Gavin Perkins, MB, MD, University of Warwick

1:30 Year in Review: Pediatrics

Melissa Parker, MD, MSc, McMaster University

2:00 – 3:30 PM

Plenary Session 6: Cutting Edge Trials and Late Breaking Resuscitation Science

Regency Ballroom AB, West Tower, Ballroom Level

Moderators

Lars W. Andersen, MD, PhD, Aarhus University

Laurie J. Morrison, MD, MSc, FRCPC, University of Toronto

2:00	<p><u>D</u>ouble <u>S</u>equential <u>E</u>xternal Defibrillation for Refractory <u>V</u>entricular <u>F</u>ibrillation: The DOSE VF Cluster Randomized Controlled Trial</p> <p>Sheldon Cheskes, Univ of Toronto, Toronto, ON, Canada; Richard Verbeek, Ian R Drennan, Sunnybrook Ctr for Preshospital Med and Univ of Toronto, Toronto, ON, Canada; Shelley L McLeod, Univ of Toronto, Toronto, ON, Canada; Linda Turner, Sunnybrook Ctr for Preshospital Med, Toronto, ON, Canada; Ruxandra Pinto, Univ of Toronto, Toronto, ON, Canada; Michael Feldman, Sunnybrook Ctr for Preshospital Med, Toronto, ON, Canada; Matthew Davis, Univ of Western Ontario, London, ON, Canada; Christian Vaillancourt, Laurie J Morrison, Ottawa Hosp Res Inst, Ottawa, ON, Canada; Paul Dorian, Damon C Scales, Univ of Toronto, Toronto, ON, Canada</p>	17
2:15	<p>Device-based Prevention of Fever for Up To 36 Or 72 Hours After Out-of-hospital Cardiac Arrest</p> <p>Christian Hassager, The Heart Ctr, Rigshospitalet, Copenhagen, Denmark; Henrik Schmidt, Jacob Møller, Odense Univ Hosp, Odense, Denmark; Martin Meyer, Jesper Kjaergaard, The Heart Ctr, Rigshospitalet, Copenhagen, Denmark</p>	18
2:30	<p>Hydrogen Gas Inhalation Improves Neurologically Intact Survival After Out-of-hospital Cardiac Arrest: HYBRID II Trial</p> <p>Tomoyoshi Tamura, Koichiro Homma, Motoaki Sano, Keio Univ Sch of Med, Tokyo, Japan; Masaru Suzuki, Tokyo Dental Coll Ichikawa General Hosp, Chiba, Japan</p>	19
2:45	<p>Awareness During Resuscitation - II: A Multi-center Study Of Consciousness And Awareness In Cardiac Arrest</p> <p>Sam Parnia, NYU Langone Health, New York, NY; Jignesh Patel, Stony Brook Univ, New York, NY; Tara Keshavarz Shirazi, NYU Langone, New York, NY; Linh Tran, Stony Brook Univ, New York, NY; NIRAJ SINHA, Stony Brook Medical Ctr, CORAM, NY; Emma Roellke, NYU Long Island Sch of Med, Salt Point, NY; Amanda Mengotto, Shannon Findlay, New York Langone Health, New York, NY; Michael McBrine, Rebecca Spiegel, Elise Huppert,</p>	20

	<p>NYU Langone Health, New York, NY; Ian Jaffe, NYU Grossman Sch of Med, New York, NY; Anelly Gonzales, NYU Langone Health, New York, NY; Gavin D Perkins, Benjamin Bloom, UNIVERSITY OF WARWICK, Coventry; Rahul Sharma, New York Presbyterian-Weill Cornell, New York, NY; Erik B Kulstad, UT Southwestern Medical Ctr, Dallas, TX; Charles Deakin, Southampton University Hospital, Southampton, Hampshire, UK</p>	
3:00	<p>The Effect of Thiamine on Lactate Clearance and Oxygen Consumption Rate After In-hospital Cardiac Arrest: A Randomized Clinical Trial (trial Registration Nct02974257)</p> <p>Katherine M Berg, Anne V Grossestreuer, Beth Israel Deaconess Medical Center, Boston, MA; Lakshman Balaji, Beth Israel Deaconess Medical Ctr, Boston, MA; Ari Moskowitz, Montefiore Medical Ctr, Bronx, NY; Xiaowen Liu, Beth Israel Deaconess Medical Center, Boston, MA; Michael N Cocchi, BIDMC Harvard Medical School, Boston, MA; Maureen Chase, Beth Israel Deaconess Medical Center, Boston, MA; Jeremy Silverman, Beth Israel Deaconess Medical Ctr, Boston, MA; Franklin Li, Natia Peradze, Beth Israel Deaconess Medical Center, Boston, MA; Shivani Mehta, Boston, MA; Andrew Cole, Beth Israel Deaconess Medical Ctr, Boston, MA; Michael Donnino, Beth Israel Deaconess Medical Center, Boston, MA</p>	21
3:00	<p>Thiamine As a Metabolic Resuscitator After Cardiac Arrest: A Randomized Trial</p> <p>Michael Donnino, Beth Israel Deaconess Medical Center, Boston, MA; Ari Moskowitz, Montefiore Medical Ctr, Bronx, NY; Michael N Cocchi, BIDMC Harvard Medical School, Dedham, MA; Lakshman Balaji, BIDMC Harvard Medical School, Dedham, MA, Brookline, MA; Xiaowen Liu, Beth Israel Deaconess Medical Center, Boston, MA; Andrew Cole, Beth Israel Deaconess Medical Center, West Roxbury, MA; Shivani Mehta, Beth Israel Deaconess Medical Center, West Roxbury, MA, Boston, MA; Maureen Chase, Natia Peradze, Beth Israel Deaconess Medical Center, Boston, MA; Jeremy Silverman, Franklin Li, Allston, MA; Anne V Grossestreuer, Katherine Berg, Beth Israel Deaconess Medical Center, Boston, MA</p>	22
3:15	<p>Temperature Control After In-hospital Cardiac Arrest</p> <p>Sebastian Wolfrum, UNIVERSITY SCHLESWIG HOLSTEIN, Luebeck; Kevin Roedl, Dept of Intensive Care Medicine, Univ Medical Ctr Hamburg-Eppendorf, Hamburg, Germany; Alexia Hanebutte, Emergency Dept, Univ of Luebeck, Luebeck, Germany, Lübeck, Germany; Rüdiger Pfeifer, Dept of Internal Med 1, Univ Hosp of Jena, Jena, Germany, Jena, Germany; Volkhard Kurowski, Dept of Cardiology and Intensive Care Med, DRK Hosp, Ratzeburg, Germany, Ratzeburg, Germany; Reimer Riessen, Univ Hosp, Tuebingen; Anne Daubmann, Inst of Medical Biometry and Epidemiology, Univ Medical Ctr Hamburg-Eppendorf, Hamburg, Germany, Hamburg, Germany; Stephan Braune, Gerold Söffker, Dept of Intensive Care Medicine, Univ Medical Ctr Hamburg-Eppendorf, Hamburg, Germany; Eric Bibiza-Freiwald, Karl Wegscheider, Inst of Medical Biometry and Epidemiology, Univ Medical Ctr Hamburg-Eppendorf, Hamburg, Germany, Hamburg, Germany; Heribert Schunkert, German Heart Ctr, Munich; Holger Thiele, German Heart Ctr, Munich, Leipzig; Stefan Kluge, Dept of Intensive Care Medicine, Univ Medical Ctr Hamburg-Eppendorf, Hamburg, Germany</p>	23

3:30 – 4:30 PM

AOS.358. Dickinson W. Richards Memorial Lecture at Scientific Sessions
N230A, McCormick Place Convention Center

3:30 What Happens After the Hospital is Part of Resuscitation Care
Clifton W. Callaway, MD, PhD, University of Pittsburgh

3:30 – 5:00 PM

Poster Session 2 and Networking Reception
Regency Ballroom CD, West Tower, Ballroom Level

5:00 PM

Symposium Adjourns