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, FRCP, 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

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<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>11:00</td>
<td>Diagnostic Yield, Safety, and Outcomes with Head-to-Pelvis Sudden</td>
<td>Kelley R Branch, UNIVERSITY OF WASHINGTON, Seattle, WA; Medley Gatewood, North Bend, WA; Peter</td>
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<td></td>
<td>Death Computed Tomographic Imaging After Idiopathic Out-of-Hospital</td>
<td>Kudenchuk, Univ of Washington; Charles Maynard, Univ of Washington, Seattle, WA; Michael R Sayre,</td>
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<td>Cardiac Arrest: The CT First Cohort Study</td>
<td>UNIVERSITY OF WASHINGTON, Seattle, WA; David Carlbom, UNIVERSITY OF WASHINGTON, Seattle, WA;</td>
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<td>Rachael Edwards, UNIVERSITY OF WASHINGTON, Seattle, WA, Seattle, WA; Aris Karatasakis, Catherine</td>
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<td>Counts, Univ of Washington, Seattle, WA; Martin Gunn</td>
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<td>11:15</td>
<td>Intravenous Oxygen Microparticles as Resuscitative Fluid Improves</td>
<td>Julia Garcia Mancebo, Kristen Sack, Boston Children's Hosp, Boston, MA; Jay Hartford, Saffron</td>
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<td>Outcomes in A Swine Model of Asphyxial Cardiac Arrest</td>
<td>Dominguez, Arthur Nedder, Michelle Barcarcel-Monzon, John Kheir, Boston Children's Hosp, Boston,</td>
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<td>MA; Yifeng Peng, Boston, MA</td>
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<td>11:30</td>
<td>Early Post–Cardiac Arrest Blood Pressure Thresholds Associated with</td>
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<td>Outcomes: A Secondary Analysis of the ICU–Resuscitation Trial</td>
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11:45 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

Chelsea Morin, Univ of Alberta, Edmonton, AB, Canada; Po-yin Cheung, Royal Alexandra Hospital, Edmonton, AB, Canada; Tze Fun Lee, Megan OReilly, Univ of Alberta, Edmonton, AB, Canada; Georg Schmolzer, University of Alberta, Edmonton, AB, Canada

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, FHR, 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

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<tr>
<th>Time</th>
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<tr>
<td>8:15</td>
<td>Hospital Variation in Epinephrine Administration Prior To Defibrillation for Cardiac Arrest Due to Shockable Rhythm</td>
<td>Colten Stewart, Uniof 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</td>
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<td>8:30</td>
<td>Feasibility of Accelerated Code Team Activation with Code Button Triggered Smartphone Notifications</td>
<td>Cody Couperus, Zach Dezman, Rebekah Friedrich, Samuel Gurmu, Dan Lemkin, Nicholas Morris, Univ of Maryland Medical Ctr, Baltimore, MD</td>
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| 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
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<th>Time</th>
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<th>Presenters</th>
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<tr>
<td>10:45</td>
<td>Break / Networking / Exhibits</td>
<td>Toronto/Hong Kong Room, West Tower, Ballroom Level</td>
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<td>11:15</td>
<td>Oral Abstract Concurrent Session A: Disparities</td>
<td>Crystal Ballroom A, West Tower, Lobby Level</td>
<td>Samantha Fernandez Hernandez, MD, Baylor College of Medicine, Catherine Ross, MD, Boston Children's Hospital</td>
<td>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</td>
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<td>11:30</td>
<td>Association Of Race and Medical Emergency Team Evaluations Prior To In Hospital Cardiac Arrest</td>
<td>Crystal Ballroom A, West Tower, Lobby Level</td>
<td>Samantha Fernandez Hernandez, MD, Baylor College of Medicine, Catherine Ross, MD, Boston Children's Hospital</td>
<td>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</td>
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<td>11:45</td>
<td>Community Interventions to Improve Out-of-hospital Cardiac Arrest Survival: Targeting Public Housing Could Be a Solution</td>
<td>Crystal Ballroom A, West Tower, Lobby Level</td>
<td>Samantha Fernandez Hernandez, MD, Baylor College of Medicine, Catherine Ross, MD, Boston Children's Hospital</td>
<td>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</td>
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<td>12:00</td>
<td>Identifying Emergency Medical Service Agencies in Black and Hispanic Communities with High Cardiac Arrest Survival Rates</td>
<td>Crystal Ballroom A, West Tower, Lobby Level</td>
<td>Samantha Fernandez Hernandez, MD, Baylor College of Medicine, Catherine Ross, MD, Boston Children's Hospital</td>
<td>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</td>
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<td>11:15</td>
<td>Myocardial Metabolic and Electrolyte Derangements Linked to PEA Rearrest</td>
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<td>11:30</td>
<td>A Novel Pharmacologic Peptide Improved Survival and Neurologic Outcomes After Swine PEA</td>
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<td>Hypoxia as Therapy for Mitochondrial Injury Following Cardiac Arrest</td>
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<td>12:00</td>
<td>Cardiac Mitochondrial Transcription Factor A Overexpression Protects Against Stunning and Improves Mortality in a Mouse Model of Cardiac Arrest</td>
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**Moderators**

Raúl Gazmuri, MD, PhD, FCCM, Rosalind Franklin University of Medicine and Science
Theresa M. Olasveengen, MD, PhD, Oslo University Hospital

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, FRCP, University of Toronto

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<tr>
<td>2:00</td>
<td>Double Sequential External Defibrillation for Refractory Ventricular Fibrillation: The DOSE VF Cluster Randomized Controlled Trial</td>
<td>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 Prehospital 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</td>
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<td>2:15</td>
<td>Device-based Prevention of Fever for Up To 36 Or 72 Hours After Out-of-hospital Cardiac Arrest</td>
<td>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</td>
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<td>2:30</td>
<td>Hydrogen Gas Inhalation Improves Neurologically Intact Survival After Out-of-hospital Cardiac Arrest: HYBRID II Trial</td>
<td>Tomoyoshi Tamura, Koichiro Homma, Motoaki Sano, Keio Univ Sch of Med, Tokyo, Japan; Masaru Suzuki, Tokyo Dental Coll Ichikawa General Hosp, Chiba, Japan</td>
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<td>2:45</td>
<td>Awareness During Resuscitation - II: A Multi-center Study Of Consciousness And Awareness In Cardiac Arrest</td>
<td>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,</td>
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<td>3:00</td>
<td>The Effect of Thiamine on Lactate Clearance and Oxygen Consumption Rate After In-hospital Cardiac Arrest: A Randomized Clinical Trial (trial Registration Nct02974257)</td>
<td>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; Andrew Cole, Beth Israel Deaconess Medical Ctr, Boston, MA; Michael Donnino, Beth Israel Deaconess Medical Center, Boston, MA</td>
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<td>3:00</td>
<td>Thiamine As a Metabolic Resuscitator After Cardiac Arrest: A Randomized Trial</td>
<td>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</td>
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<td>3:15</td>
<td>Temperature Control After In-hospital Cardiac Arrest</td>
<td>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, Jena, Germany; Stephan Braune, Gerold Söffker, Dept of Intensive Care Medicine, Univ Medical Ctr Hamburg-Eppendorf, Hamburg, Germany, Jena, Germany; Eric Bibiza-Freiwald, Karl Wegscheider, Inst of Medical Biometry and Epidemiology, Univ Medical Ctr Hamburg-Eppendorf, Hamburg, Germany, Jena, 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</td>
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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