

Confirmed	Improving the Prehospital Trauma Triage Guidelines for Physiologic Derangement: Can We Do Better?	Ottawa, ON, Canada; Daniel Davis, Univ of California at San Diego, San Diego, CA; Laurie J. Morrison, Univ of Toronto, Toronto, ON, Canada; Jeffrey Kerby, Univ of Alabama, Birmingham, AL; Thomas E. Terndrup, Penn State Milton S. Hershey Medical Ctr, Hershey, PA; Joseph P. Minei, Univ of Texas Southwestern Medical Ctr, Dallas, TX; Scott Emerson, Univ of Washington, Seattle, WA; Resuscitation Outcomes Consortium Phone: 5034941668 Email: newgardc@ohsu.edu Disclosures: C.D. Newgard , None; K. Rudser , None; J.R. Hedges , None; E. Bulger , None; I.G. Stiell , None; D. Davis , None; L.J. Morrison , None; J. Kerby , None; T.E. Terndrup , None; J.P. Minei , None; S. Emerson , None.
Primary	Is the new Basic Life Support protocol (2005) easier to learn?	Jozsef Betlehem, Gabor Nagy, Jozsef Marton, Univ of Pecs, Pecs, Hungary; Zsigmond Gondocs, Natl Ambulance Service, Budapest, Hungary Disclosures: J. Bethlehem , None; G. Nagy , None; J. Marton , None; Z. Gondocs , None.
Confirmed	Muscle Metabolomic Changes in a Porcine Model of Hemorrhagic Shock and Resuscitation	Nancy Witowski, Greg Beilman, Univ of Minnesota, Minneapolis, MN Phone: 6126257151 Email: witow001@umn.edu Disclosures: N. Witowski , None; G. Beilman , None.
Confirmed	Rapid Whole Body Cooling in Large Swine: Effects on Heart Rate and Arterial Blood Pressure	William Ohley, Univ of Rhode Island, Kingston, RI; Robert B Schock, Life Recovery Systems, Kinnelon, NJ; Cathy Klock, Univ of Rhode Island, Kingston, RI; Lorraine Schofield, Rhode Island Hosp, Providence, RI; Marc Cote, Robert Freedman, Life Recovery Systems, Kinnelon, NJ Phone: 4018745813 Email: ohley@ele.uri.edu Disclosures: W. Ohley , Life recovery systems, HD,LLC, Modest,7. Consultant/Advisory Board; R.B. Schock , life Recovery systems, HD, LLC, Modest,1. Employment; C. Klock , None; L. Schofield , None; M. Cote , Life Recovery Systems HD,LLC, Modest,1. Employment; R. Freedman , Life Recovery Systems HD,LLC, Modest,6. Ownership Interest.
Primary	Prognostic markers in Myocardial Infarction complicated by Cardiogenic Shock	Roland Prondzinsky, Henning Lemm, Michael Swyter, Nicholas Wegener, Susanne Unverzagt, Justin M Carter, Axel Schliitt, Ute Buerke, Martin Russ, Karl Werdan, Michael Buerke, Dept of Med III, Halle/Saale, Germany Disclosures: R. Prondzinsky , None; H. Lemm , None; M. Swyter , None; N. Wegener , None; S. Unverzagt , None; J.M. Carter , None; A. Schliitt , None; U. Buerke , None; M. Russ , None; K. Werdan , None; M. Buerke , None.
Confirmed	Electronic Integrated Monitoring of Medical Emergency Team Calls to a Step Down Unit	Marilyn Hravnak, Univ Pittsburgh Acute T Care, Pittsburgh, PA; Leslie Edwards, Molly Foster-Heasley, Amy Clontz, Cynthia Valenta, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Michael DeVita, Michael Pinsky, Univ Pittsburgh, Pittsburgh, PA Phone: 4126243796 Email: mhra@pitt.edu Disclosures: M. Hravnak , None; L. Edwards , None; M. Foster-Heasley , None; A. Clontz , None; C. Valenta , None; M. DeVita , None; M. Pinsky , None.
Confirmed	Are There Gender Differences on Admission Time, Disease Severity and Treatment at Emergency Room for Acute Coronary Syndrome?	Antonio P Mansur, Larissa C Roza, Jos Fabri Jr, Rogerio B Ramos, Sergio Jallad, Solange D Avakian, Sergio Timerman, Jose A Ramires, Heart Inst (INCOR), Sao Paulo, Brazil Phone: Email: timerman@cardiol.br Disclosures: A.P. Mansur , None; L.C. Roza , None; J. Fabri Jr , None; R.B. Ramos , None; S. Jallad , None; S.D. Avakian , None; S. Timerman , None; J.A.F. Ramires , None.
Confirmed	Effects Of Short-term Fasting On Mortality, Inflammatory And Coagulation Responses To Endotoxin-induced Shock In Rats	Kyoko Kobayashi, Takumi Taniguchi, Ken Yamamoto, Kanazawa Univ, Kanazawa, Japan Phone: 81762652434 Email: kobakyo@med.kanazawa-u.ac.jp Disclosures: K. Kobayashi , None; T. Taniguchi , None; K. Yamamoto , None.
Confirmed	Cardiopulmonary and Automatic External Defibrillator handling skills evaluation in lay persons	Thiago L Silva, Luana D Olival, Ana P Quilici, Maria Margarita Gonzalez, Sergio Timerman, Heart Inst (InCor), Univ of Sao Paulo Medical Sch, Sao Paulo, Brazil Phone: 55 11 3069 5596 Email: da_silva_thiago@hotmail.com Disclosures: T.L.F. Silva , None; L.D. Olival , None; A.P. Quilici , None; M. Gonzalez , None; S. Timerman , None.
Primary	Emergency Medical Services Utilization in ST-Elevation Myocardial Infarction: Significant Urban Versus Rural	Katie M Menssen, Timothy D Henry, Barbara T Unger, Jeanne M Oelfke, Christopher E Kapsner, Jeffrey Meland, Joan Krikava, David M Larson, Minneapolis Heart Inst Fndn at Abbott Northwestern Hosp, Minneapolis, MN Disclosures: K.M. Menssen , None; T.D. Henry , None; B.T. Unger , None; J.M. Oelfke , None; C.E. Kapsner , None; J. Meland , None; J. Krikava , None; D.M. Larson , None.

	Differences	None.
Confirmed	Role Of Vascular Beta 2-adrenoceptors In Endotoxemic Shock	Bertrand Rozec, Thuy Tran Quan, Emmanuelle Lavazais-Blancou, Leslie Audigane, Inst du Thorax-INSERM U533, Nantes, France; Yvonnick Blanloeil, Anesthesiology-Intensive Care department-Lannec Hosp, Nantes, France; Chantal Gauthier-Erfanian, Inst du Thorax-INSERM U533, Nantes, France Phone: +33 2 40 08 33 94 Email: bertrandrozec@yahoo.fr Disclosures: B. Rozec , None; T. Tran Quan , None; E. Lavazais-Blancou , None; L. Audigane , None; Y. Blanloeil , None; C. Gauthier-Erfanian , None.
Confirmed	How Rapidly Can People find an AED?	Hiroshi Kaneko, Nagoya City Fire Dept, Nagoya, Japan; Tetsuo Hatanaka, Emergency Life-Saving Technique Acad, Kitakyushu, Japan; Aki Nagase, Niigata Coll of Nursing, Niigata, Japan; Hiroko Noguchi, Musashino Univ, Tokyo, Japan; Atsuko Nagatani, Nagasaki Univ Hosp of Med and Dentistry, Nagasaki, Japan; Seishiro Marukawa, Hyogo Medical Sch, Kobe, Japan Phone: +81528010119 Email: lancer_evo_wrc@nifty.com Disclosures: H. Kaneko , None; T. Hatanaka , None; A. Nagase , None; H. Noguchi , None; A. Nagatani , None; S. Marukawa , None.
Confirmed	Awareness of Guidelines of Automated External Defibrillator Use in Children within Emergency Medical Services	Sarah E Haskell, Melanie A Kenney, Sonali Patel, Univ of Iowa, Iowa City, IA; Teri L Sanddal, Critical Illnes and Trauma Fndn, Bozeman, MT; Katrina L Altenhofen, Iowa Bureau of EMS, Iowa Dept of Public Health, Des Moines, IA; Nels D Sanddal, Critical Illness and Trauma Fndn, Bozeman, MT; Dianne L. Atkins, Univ of Iowa, Iowa City, IA Phone: 3193563540 Email: sarah-haskell@uiowa.edu Disclosures: S.E. Haskell , None; M.A. Kenney , None; S. Patel , None; T.L. Sanddal , None; K.L. Altenhofen , None; N.D. Sanddal , None; D.L. Atkins , ZOLL Medical Corporation, Significant, 2. Research Grant.
Confirmed	Preconditioning With Periodic Acceleration (pGz) Prior To Whole Body Ischemia Reperfusion Injury Ameliorates Myocardial Stunning And Arrhythmias	Jose A Adams, Jorge Bassuk, Heng Wu, Jaqueline Arias, Dongmei Wu, Vinod Jorapur, Gervasio Lamas, Mt Sinai Medical Ctr, Miami Beach, FL; Paul Kurlansky, Florida Heart Res, Miami, FL Phone: 3056742727 Email: tony@msmc.com Disclosures: J.A. Adams , Stock options < \$10,000, Modest,6. Ownership Interest; Advisory Board, Modest,7. Consultant/Advisory Board; J. Bassuk , Stock Options < \$10,000, Modest,6. Ownership Interest; H. Wu , None; J. Arias , None; D. Wu , None; V. Jorapur , None; G. Lamas , None; P. Kurlansky , None.
Primary	Coronary Perfusion Pressure Augmentation by Sustained Abdominal Compression: Comparison with Vasopressor Drugs	Aaron E Lottes, Ann E Rundell, Leslie A Geddes, Andre E Kemeny, Michael P Otlewski, Charles F Babbs, Purdue Univ, West Lafayette, IN Disclosures: A.E. Lottes , None; A.E. Rundell , None; L.A. Geddes , None; A.E. Kemeny , None; M.P. Otlewski , None; C.F. Babbs , None.
Confirmed	The Effectiveness of a Short Course in CPR and AED Usage for Lay Persons	Tetsuya Sakamoto, Teikyo Univ, Tokyo, Japan; Jerry Potts, American Heart Association, Dallas, TX; Ichiro Kaneko, Yasuo Takeuchi, Teikyo Univ, Tokyo, Japan; Tetsuo Hatanaka, Eemergency Life Saving Technique Acad, Kyusyu, Japan; Naoki Shimizu, Natl Ctr for Child Health and Development, Tokyo, Japan; Seishiro Marukawa, Hyogo Coll of Med, Hyogo, Japan Phone: +81339642898 Email: sakamoto.tetsuya@nifty.ne.jp Disclosures: T. Sakamoto , None; J. Potts , None; I. Kaneko , None; Y. Takeuchi , None; T. Hatanaka , None; N. Shimizu , None; S. Marukawa , None.
Confirmed	The Effect of Oral Amiodarone on Long Duration Ventricular Fibrillation	Jian Huang, Cheryl R Killingsworth, Derek J Dossdall, Raymond E Ideker, Univ Alabama Birmingham, Birmingham, AL Phone: 2059754710 Email: jh@crml.uab.edu Disclosures: J. Huang , None; C.R. Killingsworth , None; D.J. Dossdall , None; R.E. Ideker , None.
Confirmed	Cyclosporin A does not Prevent Myocardial Dysfunction after Resuscitation from Cardiac Arrest in Rats	Iyad M Ayoub, Jeejabai Radhakrishnan, Ral J Gazmuri, Rosalind Franklin Univ of Med and Science, North Chicago, IL Phone: 2246103681 Email: raul.gazmuri@rosalindfranklin.edu Disclosures: I.M. Ayoub , RO1 HL71728, Significant, 2. Research Grant; University Bridge, Significant, 3. Other Research Support; J. Radhakrishnan , RO1 HL71728, Significant, 2. Research Grant; University Bridge, Significant, 3. Other Research Support; R.J. Gazmuri , RO1 HL71728, Significant, 2. Research Grant; University Bridge, Significant, 3. Other Research Support.
Confirmed	Alterations in Pulmonary	Satyan Lakshminrusimha, Bruce A Davidson, Rita M Ryan, Jadwiga D Helinski, Krishnan Raghavendran, SUNY, Buffalo, NY Phone: 7168787945 Email: slakshmi@buffalo.edu

Confirmed	Vasoreactivity Following Lung Contusion in Rats	Disclosures: S. Lakshminrusimha , None; B.A. Davidson , None; R.M. Ryan , None; J.D. Helinski , None; K. Raghavendran , GM073826(KO-8)(NIGMS), Significant, 2. Research Grant; RO1-HL 48889(CO investigator), Significant, 2. Research Grant. Tomoki Shokawa, Koich Tanigawa, Hideya Yamamoto, Hiroshima Univ, Hiroshima, Japan Phone: +81822575197 Email: shokawa@hiroshima-u.ac.jp Disclosures: T. Shokawa , None; K. Tanigawa , None; H. Yamamoto , None.
Confirmed	The Prognostic Factor of Patients with Asystole on Arrival	Uwe Zeymer, Kleopatra Kouraki, Steffen Schneider, Herzzentrum Ludwigshafen, Ludwigshafen, Germany; Rainer Uebis, Klinikum Aschaffenburg, Aschaffenburg, Germany; Ulrich Tebbe, Klinikum Lippe-Detmold, Detmold, Germany; Hermann Klein, Klinikum Idar-Oberstein, Idar-Oberstein, Germany; Uwe Janssens, St. Antonius Hosp, Eschweiler, Germany; Jochen Senges, Herzzentrum Ludwigshafen, Ludwigshafen, Germany; ALKK-Study Group Phone: +496215034045 Email: uwe.zeymer@t-online.de Disclosures: U. Zeymer , None; K. Kouraki , None; S. Schneider , None; R. Uebis , None; U. Tebbe , None; H. Klein , None; U. Janssens , None; J. Senges , None.
Confirmed	Inhospital Outcome of 458 Patients with Acute Myocardial Infarction Requiring Mechanical Ventilation. Results of the BEAT Registry of the ALKK.	David L. Rodgers, Rudy D. Pauley, Marshall Univ, South Charleston, WV; Barbara R. McKee, David J. Matics, Louis. E. Robinson, CAMC Health Education and Res Inst, Charleston, WV Phone: 3044441078 Email: dave.rodgers@sim-strategies.com Disclosures: D.L. Rodgers , None; R.D. Pauley , None; B.R. McKee , None; D.J. Matics , None; L.E. Robinson , None.
Confirmed	Written Evaluation in Advanced Cardiovascular Life Support is not a Predictor for Cardiac Arrest Performance	Nathalie Sybille Goddet, Francois Dolveck, Alexis Descatha, Samu 92, Garches, France; Noella Lode, Samu pdiatrique 75, Paris, France; Jean-Louis Chabernaud, Samu pdiatrique 92, Clamart, France; Thomas Loeb, Samu 92, Garches, France; Cline Farges, Samu pdiatrique 75, Paris, France; Patrick Lagron, Laurent Stenger, Samu 92, Garches, France; Graldine Baer, Sch of medicine, Sacramento, CA; Michel Baer, Dominique Fletcher, Samu 92, Garches, France Phone: Email: francois.dolveck@rpc.aphp.fr Disclosures: N.S. Goddet , None; F. Dolveck , None; A. Descatha , None; N. Lode , None; J. Chabernaud , None; T. Loeb , None; C. Farges , None; P. Lagron , None; L. Stenger , None; G. Baer , None; M. Baer , None; D. Fletcher , None.
Confirmed	Evaluation Of Knowledge And Practice Of Cardiopulmonary Resuscitation Of Children And Infants By An Out-of-hospital Emergency Care Team	Hao Wang, Wanchun Tang, Shijie Sun, Min-shan Tsai, Yongqin Li, Tong Wang, Max Harry Weil, Weil Inst of Critical Care Med, Rancho Mirage, CA Phone: 7607783467 Email: newwanghao@hotmail.com Disclosures: H. Wang , None; W. Tang , None; S. Sun , None; M. Tsai , None; Y. Li , None; T. Wang , None; M.H. Weil , None.
Confirmed	The Potential Mechanisms of Reduced Incidence of VF as the Presenting Rhythm	Ikuko Togashi, Toshiaki Sato, Kyoko Soejima, Shunichiro Miyoshi, Koujiro Tanimoto, Hirota Yada, Koutaro Fukumoto, Hikaru Nakamizo, Satoshi Ogawa, Keio Univ, Tokyo, Japan Phone: +81-3-3353-1207 Email: togashi@cpnet.med.keio.ac.jp Disclosures: I. Togashi , None; T. Sato , None; K. Soejima , None; S. Miyoshi , None; K. Tanimoto , None; H. Yada , None; K. Fukumoto , None; H. Nakamizo , None; S. Ogawa , None.
Confirmed	Difference of Clinical Characteristics of Sudden Cardiac Arrest and Syncope Related to Coronary Vasospasm	Mathias Zuercher, Ronald W. Hilwig, Sarver Heart Ctr, Tucson, AZ; Jon Nysaether, Laerdal Medical Corp, Stavanger, Norway; Vinay M. Nadkarni, Childrens Hosp, Philadelphia, PA; Marc D. Berg, Univ of Arizona Coll of Med, Tucson, AZ; Gordon A. Ewy, Karl B. Kern, Sarver Heart Ctr, Tucson, AZ; Robert A. Berg, Univ of Arizona Coll of Med, Tucson, AZ Phone: 5206260094 Email: zumthis@bluewin.ch Disclosures: M. Zuercher , Research Grant "Anaesthesieverein 2007", Department of Anesthesiology, University of Basel, Switzerland, Significant, 2. Research Grant; R.W. Hilwig , None; J. Nysaether , Laerdal Medical Corporation, Significant, 1. Employment; V.M. Nadkarni , Laerdal Grant to study pediatric CPR, Significant, 2. Research Grant; M.D. Berg , None; G.A. Ewy , None; K.B. Kern , None; R.A. Berg , Laerdal Grant to study piglet CPR, Significant, 2. Research Grant.
Confirmed	A Sternal Accelerometer Does Not Impair Hemodynamics During Piglet CPR	Mark Niebauer, John Lof, Elizabeth Stolze, Michael Petrocchi, Gretchen Fry, Nebraska Medical Ctr, Omaha, NE Phone: 4025595151 Email: mniebaue@unmc.edu Disclosures: M. Niebauer , Zoll Medical Corporation, Modest, 2. Research Grant; J. Lof , None; E. Stolze , None; M. Petrocchi , None; G. Fry , None.
Confirmed	Dual Pathway Defibrillator Shocks Produce Less Hemodynamic Compromise than Standard, Single	

	Pathway Shocks	LOT, NONE, L. Stoltz, NONE, M. Ferrucci, NONE, S. Fry, NONE. James D Allred, Cheryl R Killingsworth, Scott Allison, Derek J Dodsall, Sharon B Melnick, William M Smith, Raymond E Ideker, Gregory P Walcott, Univ of Alabama Birmingham, Birmingham, AL Phone: 2059752104 Email: allre020@aol.com
Confirmed	Spontaneous Refibrillation Following External Defibrillation of Long Duration Ventricular Fibrillation in Swine	Disclosures: J.D. Allred, None; C.R. Killingsworth, None; S. Allison, None; D.J. Dodsall, None; S.B. Melnick, None; W.M. Smith, None; R.E. Ideker, None; G.P. Walcott, None.
Confirmed	Differences of B-Type natriuretic peptide and N-terminal pro B-type natriuretic peptide levels in Patients With Cardiogenic Shock	Michael Buerke, Roland Prondzinsky, Martin-Luther-Univ, Halle/Saale, Germany; Alexander Geppert, Rudolf Jaral, Kurt Huber, Wilhelminen Hosp, Viena, Austria; Martin Russ, Henning Lemm, Axel Schlitt, Karl Werdan, Martin-Luther-Univ, Halle/Saale, Germany Phone: +49345557 2847 Email: buerke@aol.com Disclosures: M. Buerke, Biocite, Modest,4. Speakers Bureau; R. Prondzinsky, None; A. Geppert, None; R. Jaral, None; K. Huber, None; M. Russ, None; H. Lemm, None; A. Schlitt, None; K. Werdan, Roche, Modest,4. Speakers Bureau.
Confirmed	Feasibility of Selective Brain Cooling during Cardiac Arrest: A Novel Nasopharyngeal Approach	Manuel C Boller, Joshua Lampe, Lance B Becker, Univ of Pennsylvania, Philadelphia, PA Phone: 2155452354 Email: mboller@vet.upenn.edu Disclosures: M.C. Boller, None; J. Lampe, None; L.B. Becker, None.
Confirmed	Gender Differences in the Timing of Access to the Prehospital Phase of STEMI Care	Robert O'Connor, Christiana Care Health System, Newark, DE; Ross Megargel, Delaware Office of EMS, Dover, DE; Angela DiSabatino, William Weintrub, Charles Reese IV, Christiana Care Health System, Newark, DE Phone: 3027334176 Email: robert_oconnor@comcast.net Disclosures: R. O'Connor, None; R. Megargel, None; A. DiSabatino, None; W. Weintrub, None; C. Reese, None.
Confirmed	Randomized Comparison Of The Airway Scope And The Macintosh Laryngoscope For The Tracheal Intubation In Manikin Study	Haruyuki Yuasa, Hiroyuki Yokoyama, Naohiro Yonemoto, Akiko Kada, Yoichiro Kasahara, Natl Cardiovascular Ctr, Suita, Japan; Yoshihisa Koga, Kinki Univ Sch of Med, Osaka-Sayama, Japan; Hiroshi Nonogi, Natl Cardiovascular Ctr, Suita, Japan Phone: 810668335012 Email: yuasa-kin@umin.ac.jp Disclosures: H. Yuasa, None; H. Yokoyama, None; N. Yonemoto, None; A. Kada, None; Y. Kasahara, None; Y. Koga, None; H. Nonogi, None.
Confirmed	Predictors of Transfusion in Acute Myocardial Infarction: Insights from APEX-AMI (Assessment of Pexelizumab in Acute Myocardial Infarction) Trial	Marc E Jolicoeur, Duke Clinical Res Inst, Durham, NC; William W O'Neil, Univ of Miami, Miami, NC; Paul W Armstrong, VIGOUR center, Univ of Alberta, Edmonton, AB, Canada; Karen Pieper, Duke Clinical Res Inst, Durham, NC; Christian Hamm, Kerckhoff Heart Ctr, Nauheim, Germany; David R Holmes, Mayo Clinic, Rochester, MN; Frans Van de Werf, Frans Van de Werf, Univ Hosp Gathuisberg, Leuven, Belgium; Christopher B Granger, Duke Clinical Res Inst, Durham, NC Phone: 9196687808 Email: jolicoeur_marc@hotmail.com Disclosures: M.E. Jolicoeur, None; W.W. O'Neil, None; P.W. Armstrong, None; K. Pieper, None; C. Hamm, None; D.R.J. Holmes, None; F. Van de Werf, None; F. Van de Werf, None; C.B. Granger, None.
Confirmed	Transferring Images via the Wireless Messaging Network using Camera Phones Shortens Time Required to Diagnose Acute Coronary Syndrome	Masashi Ohtsuka, Eiji Uchida, Toru Nakajima, Hiroyuki Yamaguchi, Seirei Yokohama General Hosp, Yokohama, Japan; Hiroyuki Takano, Issei Komuro, Chiba Univ Graduate Sch of Med, Chiba, Japan Phone: +81432262556 Email: masaohtsuka-circ@umin.ac.jp Disclosures: M. Ohtsuka, None; E. Uchida, None; T. Nakajima, None; H. Yamaguchi, None; H. Takano, None; I. Komuro, None.
Confirmed	Surface Cooling Induced Therapeutic Hypothermia Following Pediatric Cardiac Arrest	Alexis A Topjian, Troy Dominguez, Janet Boyce, Rebecca Ichord, Mark Helfaer, Vinay Nadkarni, The Children's Hosp of Philadelphia, Philadelphia, PA Phone: 6106455755 Email: astephan@post.harvard.edu Disclosures: A.A. Topjian, None; T. Dominguez, None; J. Boyce, None; R. Ichord, None; M. Helfaer, None; V. Nadkarni, None.
Confirmed	Community Public Access Defibrillation Sites: Compliance with American Heart Association Recommendations	Michael A. Post, Peter Cram, Dianne L Atkins, Univ of Iowa, Iowa City, IA Phone: Email: mpost90136@aol.com Disclosures: M.A. Post, None; P. Cram, None; D.L. Atkins, ZOLL Medical Corporation, Modest, 2. Research Grant.
Confirmed	Effect of a Medical Decision Support	Elizabeth A. Hunt, Kristen L. Nelson, Margaret Heine, Nicole A. Shilkofski, Johns Hopkins Univ Sch of Med, Baltimore, MD Phone: 4106141465

Confirmed	Device on Quality of Basic Life Support	Email: doctorbetsy@yahoo.com Disclosures: E.A. Hunt , Principal Investigator on NASA funded grant, Significant, 2. Research Grant; K.L. Nelson , None; M. Heine , None; N.A. Shilkofski , None.
Confirmed	The Comparison The Artifact By The Usual Electrocardiogram Versus The Dynamic Monitorlizer (Radarcirc™) During Chest Compressions Of Cardiac Arrest Patients	Genji Shimpuku, Teikyo Univ Sch of Medicin, Tokyo, Japan Phone: 81339641211 Email: genji@jc4.so-net.ne.jp Disclosures: G. Shimpuku , None.
Confirmed	Importance of Mechanical Circulatory Support and Immediate Reperfusion of Occluded Coronary Artery in Patients with Acute Coronary Syndrome and Metabolic Phase of Ventricular Fibrillation	Hiroyuki Hanada, Takumi Higuma, Naoki Abe, Shin Saito, Masahiro Yamada, Ken Okumura, Hirosaki Univ Sch of Med, Hirosaki, Japan Phone: +81172395057 Email: hanada68@cc.hirosaki-u.ac.jp Disclosures: H. Hanada , None; T. Higuma , None; N. Abe , None; S. Saito , None; M. Yamada , None; K. Okumura , None.
Confirmed	In-hospital Cardiac Arrest: Predictors Of Long Term Survival After Being Discharged Alive	Wessel Keuper, Hendrik-Jan Dieker, Marc A Brouwer, Freek WA Verheugt, Radboud Univ Medical Ctr, Nijmegen, The Netherlands Phone: +31243616785 Email: w.keuper@cardio.umcn.nl Disclosures: W. Keuper , None; H. Dieker , None; M.A. Brouwer , None; F.W. Verheugt , None.
Confirmed	Asymmetric Dimethylarginine Predicts Outcome and Time of Stay in Hospital in Patients Attending an Internal Medicine Emergency Room	Friedrich Schulze, Univhospital Hamburg-Eppendorf, Hamburg, Germany; Joern Vollert, Charit - Univmedizin Berlin, Berlin, Germany; Renke Maas, Univhospital Hamburg-Eppendorf, Hamburg, Germany; Reinhold Mueller, James Cook Univ, Townsville, Australia; Christian Mueller, Charit - Univmedizin Berlin, Berlin, Germany; Rainer H Boeger, Univhospital Hamburg-Eppendorf, Hamburg, Germany; Martin Moeckel, Charit - Univmedizin Berlin, Berlin, Germany Phone: Email: joern.vollert@charite.de Disclosures: F. Schulze , None; J. Vollert , None; R. Maas , None; R. Mueller , None; C. Mueller , None; R.H. Boeger , None; M. Moeckel , None.
Confirmed	Ventilation is not Necessary During Cardiopulmonary Resuscitation in a Rat Model of Hemorrhagic Cardiac Arrest	Takumi Taniguchi, Hideo Inaba, Kanazawa Univ, Kanazawa, Japan Phone: 81-76-265-2826 Email: takutaniyan@yahoo.co.jp Disclosures: T. Taniguchi , None; H. Inaba , None.
Confirmed	Use Of Medical Hyperspectral Imaging in the Evaluation of Blunt Chest Trauma and Hemorrhagic Shock in a Porcine Model	Andriy Batchinsky, Inst of Surgical Res, Brook Army Medical Ctr, San Antonio, TX; Jenny Freeman, Svetlana Panasyuk, HyperMed, Inc., Waltham, MA; Bryon Jordan, David Martini, Inst of Surgical Res, Brook Army Medical Ctr, San Antonio, TX; Marie Neverov, Kevin Schomacker, HyperMed, Inc., Waltham, MA; Leopoldo Cancio, Inst of Surgical Res, Brook Army Medical Ctr, San Antonio, TX Phone: 7817605569 Email: Jefreeman07@gmail.com Disclosures: A. Batchinsky , None; J. Freeman , HyperMed, Inc., Significant, 1. Employment; HyperMed, Inc., Significant, 6. Ownership Interest; S. Panasyuk , HyperMed, Inc., Significant, 1. Employment; HyperMed, Inc., Significant, 6. Ownership Interest; B. Jordan , None; D. Martini , None; M. Neverov , HyperMed, Inc., Significant, 1. Employment; K. Schomacker , HyperMed, Inc., Significant, 1. Employment; L. Cancio , None.
Confirmed	Relationship of Body Mass Index (BMI) to Minimum Distance from Skin Surface to Myocardium: Implications for Neuromuscular Incapacitating Devices (NMID)	Gregory G Bashian, Gabriel A Wagner, Don W Wallick, Patrick J Tchou, Cleveland Clinic, Cleveland, OH Phone: 2163219551 Email: gbashian@yahoo.com Disclosures: G.G. Bashian , None; G.A. Wagner , None; D.W. Wallick , None; P.J. Tchou , None.

*Please note: Not all participants are confirmed at this time. Participant names may change.

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循環器疾患等総合研究事業に係る 海外調査業務報告書

京都大学大学院医学研究科 社会健康医学系専攻 予防医療学分野

西山 知佳

1. 調査の目的

循環器疾患等総合研究事業の一環として、米国心臓病学会ならびにそのプレシンポジウムに参加し、研究発表を行うとともに、米国における循環器救急領域、特に、心肺蘇生・プレホスピタルの救急システムについての臨床研究・疫学研究に関する情報収集と意見交換を行う。

2. 調査の概要

2.1 第80回 米国心臓病学会

2007年11月3日～フロリダ州、オーランド市で開催された下記の学会に参加をした

2.1.1 Resuscitation Science Symposium (ReSS) に参加して演題報告および情報収集を行った。

2.1.2 Scientific Session 2007 に参加して演題報告および情報収集を行った。

3. 調査者および調査期間

調査者：西山 知佳 (にしやま ちか Nishiyama Chika)

所属：京都大学大学院医学研究科社会健康医学系専攻予防医療学分野
(Department of Preventive Services Kyoto University School of Public Health)

調査期間：2007年11月2日(金)～11月9日(金)

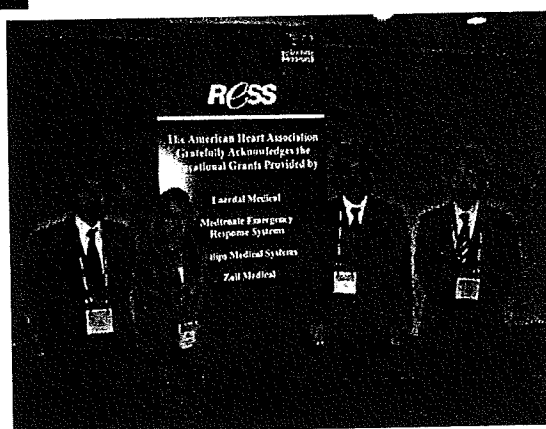
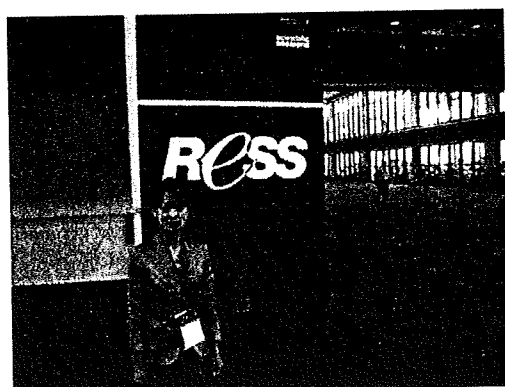
4. 調査報告

第 80 回 米国心臓病学会

4.1 Resuscitation Science Symposium (ReSS)

AHA の学会直前に行われる、救急蘇生専門のシンポジウムであり、本年度は2007年11月3日(土)～4日(日)まで行われた。2日間に渡って蘇生に関するトピックのみが集められ、ポスター発表、講演が活発に行われていた。研究内容は、動物実験から臨床研究まで幅広く多様な内容であった。

日本国内では蘇生のみにとピックを限定したこのようなシンポジウムは存在せず、改めて欧米をはじめとした諸外国の蘇生領域の注目の高さに関心をした反面、日本では未だ発展途上であることを痛感した。今後日本でこの領域が発展するよう努める必要があると感じた。



ReSS の会場前にて

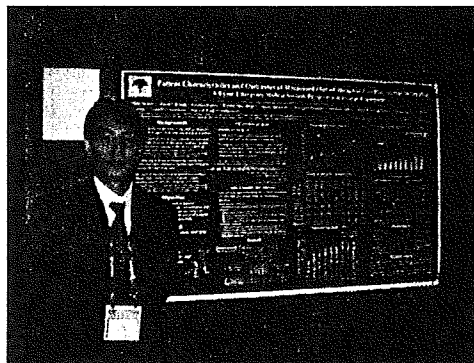
4.1.1 Resuscitation Science Symposium (ReSS) 1日目 (2007/11/3. Sat)

自身が所属する院外心停止のレジストリーに関するプロジェクト、『ウツタイン大阪プロジェクト』からは、下記3演題の発表が行われた。

1. Taku Iwami; Impact of Layperson BLS CPR in Japan.
2. Kentaro Kajino, Taku Iwami, Rober A Berg, et al; Subsequent VF is Associated with Better Outcome from Out-of-Hospital Cardiac Arrest with Initial Non-shakable Rhythms – Population-based Study in Japan –
3. Taku Iwami, Atsushi Hiraide, Kentaro Kajino et al; Patient Characteristics and Outcomes of Witnessed Out-of-Hospital Cardiac Arrest in Osaka: A 7-Year Emergency Medical Services Perspective in a Large Population.

胸骨圧迫のみの蘇生法と人工呼吸を実施する従来型の蘇生法について、人工呼吸実施にまつわる賛否が、動物実験データや、臨床データを提示しながら、またヨーロッパの蘇生学会の主メンバーも加わりさまざまな視点から熱く討論なされていた。

『ウツタイン大阪プロジェクト』のメンバーの一人、石見 拓先生が今年度の Yong Investigator Awards を受賞。この日『Award Luncheon』が開催され、授賞式があった。

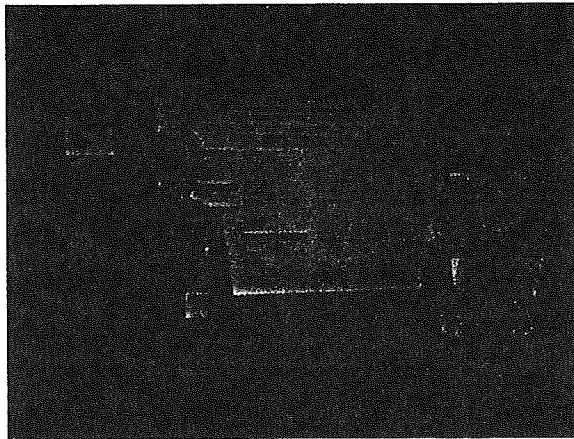


Dr. Taku Iwami

4.1.2 Resuscitation Science Symposium (ReSS) 2日目 (2007/11/4. Sun)

この日は自身の行った蘇生教育に関する RCT の研究発表をポスター形式で行った。他の研究者から質問や意見をもらい、さらに自身の研究に考察を加えることができた。また、他の研究者の研究内容を直接質問することで、今後の研究計画のヒントも得ることができた。

1. Chika Nishiyama, Taku Iwami, Takashi Kawamura et al ; Effectiveness of Cardiac-only CPR Training by Self-learning Video, a 1-hour program, or Both.



また、同ポスターセッションにて近畿大学の湯浅先生のエアウェスコープの技術修得に関する RCT の研究報告もなされた。

1. Hruyuki Yuasa, Hiroyuki Yokoyama, Naohiro Yonemot et al; Randomized Comparison Of The Airway Scope And The Macintosh Laryngoscope For The Tracheal Intubation In Manikin Study.

* 資料 1 . ReSS プログラム

* 資料 2 . ReSS 発表抄録

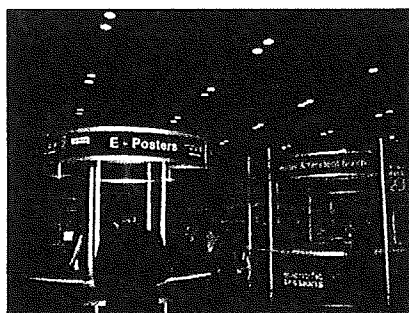
4.2 第80回 米国心臓病学会 Scientific Session 2007

AHA (American Heart Association)は、循環器領域の学会として世界最大規模の学会であり、毎年3~4万人の研究者が各国から集まり活発な意見交換が行われている。講演、オーラルセッション、ポスターセッションがあり、いずれも救急医学・蘇生に関するトピックも多く取り上げられていた。心肺蘇生法の質の評価（蘇生教育）、院外心停止にまつわる疫学研究、胸骨圧迫心臓マッサージのみの蘇生法の有効性に関するトピックを中心に知見を深めてきた。

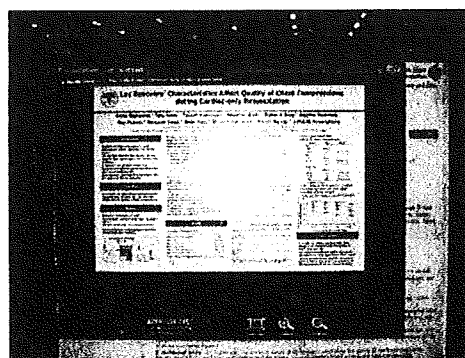
なお、Scientific Session 2007 3日目（2007/11/6. Tue）のClinical scienceのポスターセッションでは以下1演題の発表を行った。

大きく分け、Basic Science（基礎研究）・Clinical Science（臨床研究）・Population Science（疫学研究）の3つのカテゴリーから研究内容が分類されて発表されている。基礎研究では日本人の割合が目立つものの、疫学研究ではあまり日本人の研究者が見られなかった。まだこの分野が日本であまり認識されておらず、研究者の人数も少ないことが感じられた。

会期中の発表内容は、会場内のさまざまな所に設置されているE-Postersブースといわれるところでいつでも閲覧が可能であった。Key words検索で見たい演題を簡単に探し出すことができた。自分の発表や他の発表と重なり見損ねたものや、もう少し見たい演題をいつでも好きなときにゆっくりと閲覧することができ大変便利であった。



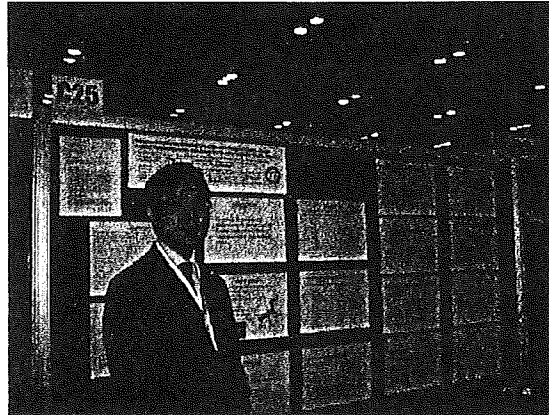
←ポスター会場にあった E-Poster ブース



このような画面で閲覧することができる→

4.2.1 Scientific Session 2007 2日目 (2007/11/5. Mon)

『ウツタイン大阪プロジェクト』から小児に関する院外心停止の疫学について、大阪医大の新田先生よりポスター発表が行われた。



Dr. Masahiko Nitta

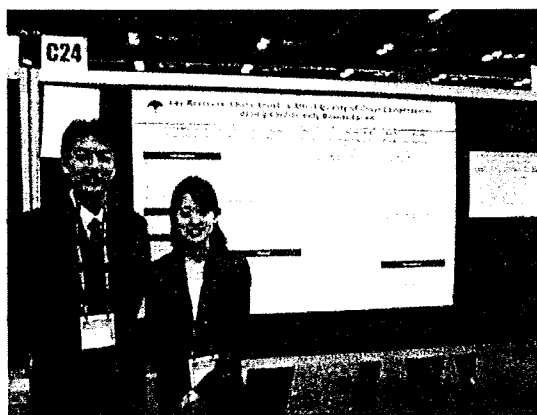
1. Masahiko Nitta, Taku Iwami Naoki Shimizu et al: Outcome and Characteristics of Out-of-Hospital Pediatric Cardiac Arrest from the large-scale, population-based Utstein Osaka cohort study.

関東地域でウツタイン様式でのレジストリー研究 (Hospital based Study) が行われている SOS-KANTO からは、低体温治療・胸骨圧迫のみの蘇生法の有効性に関する報告が行われていた。

4.2.2 Scientific Session 2007 3日目 (2007/11/6. Tue)

ReSS に引き続き、自身の行った蘇生教育に関する RCT 2 本目の演題発表を行った。(ポスター発表) ここでも、他の研究者からの意見をもらうことができた。これらの意見は今後の研究の参考にしていきたいと考えている。

1. Chika Nishiyama, Taku Iwami, Takashi Kawamura et al; Lay Rescuers' Characteristics Affect Quality of Chest Compressions during Cardiac-only Resuscitation.



4.2.3 Scientific Session 2007 4日目 (2007/11/7. Wed)

大規模臨床研究に関する問題点や、循環器看護に関する講演に参加した。また、医療機器メーカー、製薬業者による商品の説明がなされている展示ブースの見学も行った。



←展示会場入り口

- * 資料 3. Scientific sessions 2007 Final Program
- * 資料 4. 発表抄録

5. まとめ

第80回米国心臓病学会に参加することで、他国の研究者の研究報告を直接聞き、ディスカッションをすることで、自身の研究に関する知見を深めることができ大変刺激を受けた。

臨床研究のあり方についての講演では、「何でも RCT (無作為化介入試験) が言い訳ではない。RCT は、あくまでも『実験室レベル』であって普段の私たちの生活からは少し離れた非常に特殊な状況下でなされた研究成果を示している。日常生活をありのまま反映された観察研究は、実際に近い結果をしめしているのではないか？」の内容に改めて感銘を受けた。何のために研究を行うのか？どのようなデザインで研究を行うのか？ということの重要性を考えさせられた。どちらの研究手法が優れている、劣っているという問題ではなく、どちらの手法が真実を見出せ、その結果が私たちの日常生活に貢献できるかを考えなくてはならないと思った。現状の問題を検討して、その問題を解決するために研究計画を立て、その結果を社会に還元できるように、私たちは研究活動を行うべきだと思った。

Saturday, November 3

Continental Breakfast

7:00 AM - 8:00 AM

W224

Perspective on Recent Advances

in Cardiac Resuscitation

8:00 AM - 8:15 AM

W230ab

Presented by Joseph P. Ornato, recipient of the 2007 ReSS Lifetime Achievement Award in Cardiac Resuscitation Science

Session I – Best of the Best

(Oral Abstract Presentations – Part I)

8:15 AM - 9:30 AM

W230ab

Statewide Out-of-Hospital Cardiac Arrest Survival Improves after Widespread Implementation of Cardiocerebral Resuscitation

Bentley Bobrow, Scottsdale, AZ

Bone Marrow Mesenchymal Stem Cells Infused Intravenously after Cardiac Resuscitation Improves Cerebral Function

Shijie Sun, Rancho Mirage, CA

The Survival Rate from Out-of-Hospital Cardiac Arrest is Superior with Passive Oxygen Insufflation Compared to Active Assisted Ventilation

Tyler Vadeboncoeur, Jacksonville, FL

Inducing Hypothermia During Resuscitation Improves Return Of Spontaneous Circulation in Prolonged Porcine Ventricular Fibrillation

James Menegazzi, Pittsburgh, PA

CFR Fraction Prior to Defibrillation Determines Survival in Prehospital Cardiac Arrest in the Resuscitation Outcomes Consortium (ROC) Epistry

James Christenson, Vancouver, BC, Canada

Session II – Debate: Ventilation or Resuscitation?

9:30 AM - 10:30 AM

W230ab

Cardiocerebral Resuscitation: Ventilation Not Necessary in Cardiac Arrest?

Gordon Ewy, Tucson, AZ

Get it Right: Decreased Ventilation for Resuscitation

Tom Aufderheide, Milwaukee, WI

AHA Recommendation: Higher Rates for Peds

Monica Kleinman, Boston, MA

European View: Compressions Prior to Ventilation

Jerry Nolan, United Kingdom

Refreshment Break

10:30 AM - 11:00 AM

W224

Session III – Novel Approaches to Field Resuscitation of Trauma

11:00 AM - 12:00 PM

W230ab

Trauma Lessons from Iraq

John Holcomb, Fort Sam Houston, TX

Effect of Basic Lifesaving Surgery by Minimally-Trained

Mads Gilbert, Rito, Norway

Awards Luncheon

12:00 PM - 1:30 PM

W224



Saturday, November 3

Session IV – Metabolic Resuscitation: Hibernation, Hypothermia, and Metabolic Control

1:30 PM - 3:00 PM

W230ab

Cytochrome C and Shock

Richard Levy, Valhalla, NY

Mammalian Hibernation and Molecular Adaptive Responses

Matt Andrews, Duluth, MN

Phases of Hypothermia Protection

Robert Neumar, Philadelphia, PA

Modulating Electron Transport, Mitochondria, and Reperfusion

Edward Lesniewski, Cleveland, OH

Neurotensin and Hibernation

Laurence Katz, Chapel Hill, NC

Refreshment Break

3:00 PM - 3:30 PM

W224

Session V – International Advances in Resuscitation Training

3:30 PM - 5:00 PM

W230ab

How to Teach Basic Lifesaving Surgery

Mads Gilbert, Rito, Norway

New European Trauma Course

David Zideman, United Kingdom

✓ **Impact of Layperson BLS Cardiopulmonary Resuscitation in Japan**

Taku Iwami, Kyoto, Japan

Impact of ACLS Training on Survival after Cardiac Arrest

Sergio Timerman, Sao Paulo, Brazil

Ⓢ **Effect of Realtime Monitoring of Quality of Cardiopulmonary Resuscitation**

Kjetil Sunde, Oslo, Norway

Session VI – Imaging during Resuscitation: Show-and-Tell

5:00 PM - 6:00 PM

W230ab

Resuscitation Images: This show-and-tell session will consist of brief presentations of resuscitation images. Cardiac and trauma resuscitation will be included; clinical and research vignettes will be shown.

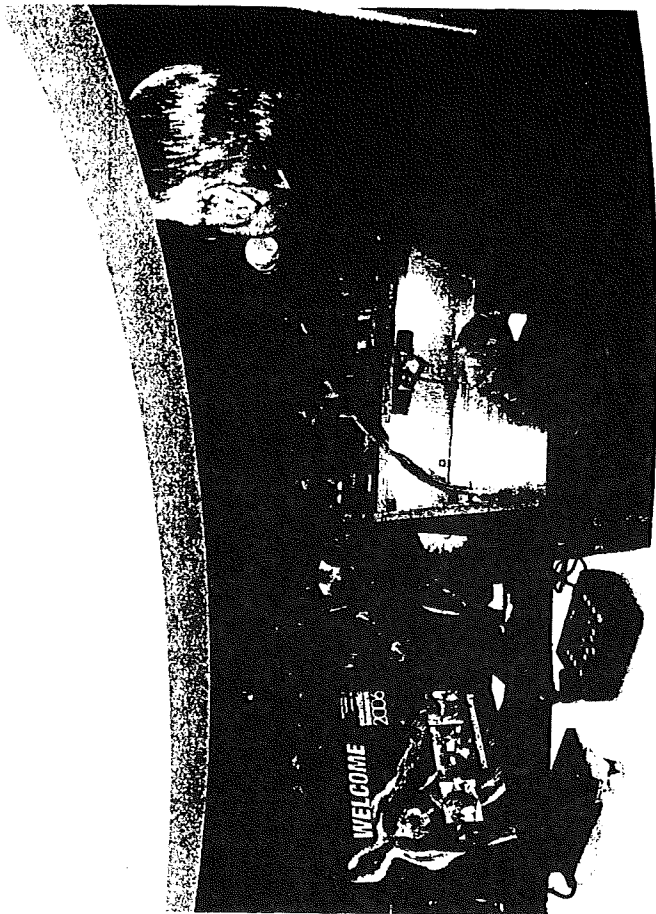
Session VII – Best Original Resuscitation Science

(Moderated Poster Session and Reception)

6:00 PM - 7:30 PM

W224

See pages 16-40 for a listing of all abstracts. Numbers 6-60 will be presented.



Sunday, November 4

Continental Breakfast

7:00 AM - 8:00 AM

W224

Session VIII – Best of the Best

(Oral Abstract Presentations – Part II)

8:00 AM – 9:15 AM

W230ab

Acute Cardiac Catheterization in Survivors of Sudden Cardiac Arrest due to Ventricular Fibrillation is Associated with Improved Survival

Justin Strote, Seattle, WA

Resuscitation with Actual Performance Integrated Debriefing (RAPID) Improves CPR Quality and Initial Patient Survival

Dana Edelson, Chicago, IL

Hands-On Defibrillation: An Analysis of Current Flow Through Rescuers in Contact With Patients During Biphasic External Defibrillation

Michael Lloyd, Atlanta, GA

A Tale of Seven EMS Systems: An Impedance Threshold Device and Improved CPR Techniques Double Survival Rates After Out-of-Hospital Cardiac Arrest

Tom Aufderheide, Milwaukee, WI

Improvement in Survival to Discharge of Cardiac Arrest Patients Using Novel Out of Hospital Treatment Protocol

Alex Garza, Washington, DC

Session IX – Clinical Trials in Resuscitation: What's Gone Wrong?

(Scientific Sessions Sunday Morning Program – SMP.05)

9:15 AM – 10:45 AM

W230ab

Right or Wrong: Insights from a Lifetime of Resuscitation Research

Petter Steen, Oslo, Norway

ORBIT Trial

Laurie Morrison, Toronto, Canada

Hypertonic Saline for Traumatic Shock Trial

Eileen Bulger, Seattle, WA

ASPIRE Trial

Michael Sayre, Columbus, OH

POLYHEME Trial

David Hoyt, Irvine, CA

Vasopressin vs. Epi Trial

Volker Wenzel, Innsbruck, Austria

ROC Perspective and Solutions

Myron Weisfeldt, Baltimore, MD



Refreshment Break

10:45 AM - 11:00 AM

Perspective on Recent Advances

in Trauma Care

11:00 AM - 11:15 AM

W230ab

Presented by Ronald V. Maier, recipient of the 2007 ReSS Lifetime Achievement Award in Trauma Resuscitation Science

Session X – Debate: Does Patient Volume Improve Resuscitation Outcome?

11:15 AM - 12:30 PM

W230ab

Trauma Centers Practice and Politics

Ronald Maier, Seattle, WA

Cardiac Resuscitation Centers Principles and Politics

Keith Lurie, Minneapolis, MN

Trauma Centers Outcomes

Ellen MacKenzie, Baltimore, MD

Effect of Hospital Care on Outcome after Out-of-Hospital Cardiac Arrest

Johan Herlitz, Sweden

Sunday, November 4

Session XI – Best Original Resuscitation Science
Moderated Poster Session II (and Reception)

2:30 PM - 1:30 PM
/224

See pages 16-40 for a listing of all abstracts. Numbers 66-115 will be represented.

American Heart Association 2007 Scientific Sessions – Opening Session

3:30 PM - 3:00 PM
West Hall D2

Session XII – Sex and Death

4:00 PM - 4:30 PM
/230ab

Does Sex Kill?

Anneth Korach, Bethesda, MD

Estrogen, Heat Shock Protein and Cardiac Protection

Ying-Kui Zhang, Davis, CA

Trauma Survival and Estrogen

Shah Chaudry, Birmingham, AL

Effect of Gender on Survival after Out-of-Hospital Cardiac Arrest

John Herlitz, Sweden

Session XIII – Debate: Are Physician Responders Necessary to Improve EMS

Are or a Waste of Resources?

3:30 PM - 5:30 PM
/230ab

Physicians on Ambulances Improve Care in Europe

André Böttiger, Heidelberg, Germany

Paramedics May or May Not Improve Care in Canada

John Stiell, Ottawa, Canada

Physician-Staffed Ambulances Contribute Greatly to Emergency Medicine in Norway

Per Erik Skogvoll, Trondheim, Norway

“Merlin” Session

5:30-7:00 PM
W230ab

Each member of a distinguished panel of international resuscitation experts will be given 90 seconds and only one PowerPoint slide to state their case for the most important change that occurred in 2007 leading to improved outcomes in 2020. An equal number of speakers will address both cardiac arrest and traumatic injury.



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J-PULSE II 海外発信

3. AHA、国際会議