

The following are the accepted abstracts for the oral, poster and international presentations at the National Association of EMS Physicians 2003 Annual Meeting, January 16 – 18, 2003, Panama City Beach, Florida.

ORAL PRESENTATIONS

Thursday, January 16, 2003

Session #1: 11:00 a.m. – 12:30 p.m.

11:00 a.m. – 11:15 a.m.

Scaling Exponent Utility During Ventricular Fibrillation of Brief and Moderate Duration: Defining When to Shock First

James J. Menegazzi, PhD; Clifton W. Callaway, MD, PhD; David P. Hostler, PhD, EMT-P; Eric S. Logue, BS; Henry E. Wang, MD; Lawrence D. Sherman, MD; *University of Pittsburgh, Pittsburgh, Pennsylvania*

11:15 a.m. – 11:30 a.m.

The Derivation of the 12-Lead ECG From 3 Standard Leads

David M. Schreck, MD, MS, FACP, FACEP; Cristian Brotea, MD; James L. Hutchinson, MICP; Stephen Teitelman, MICN; *Capital Health System, Trenton, New Jersey*

11:30 a.m. – 11:45 a.m.

The Safety of a Field Termination of Resuscitation Protocol

David C. Cone, MD; E. David Bailey, MD; Andrew B. Spackman, MD; *Yale Emergency Medicine, New Haven, Connecticut*

11:45 a.m. – 12:00 p.m.

Empiric Treatment with Calcium Chloride in Patients with Chronic Renal Failure Who Suffer Cardiac Arrest

Robert E. O'Connor, MD, MPH; Michael Schnyder, NREMT-P; Christopher Cox, MD; Ross E. Megargel, DO; *Christiana Care Health System, Newark, Delaware*

12:00 p.m. – 12:15 p.m.

Development of a National Model for AED Placement in Rural Areas

N. Clay Mann, PhD, MS; Greg Mears, MD; J. Michael Dean, MD, MBA; *Intermountain Injury Control Research Center, Salt Lake City, Utah*

12:15 p.m. – 12:30 p.m.

Improved Hemodynamics with a Novel Chest Compression Device During Treatment of In-Hospital Cardiac Arrest

Sergio Timerman, MD; Luis Francisco Cardoso, MD; Jose A. F. Ramires, MD; Henry R. Halperin, MD; *Johns Hopkins University, Baltimore, Maryland and University Sao Paulo Medical School, Sao Paulo, Brazil*

Friday, January 17, 2003

Session #2: 8:00 a.m. – 9:00 a.m.

8:00 a.m. – 8:15 a.m.

Factors Associated with the Use of Pharmacologic Agents to Facilitate Endotracheal Intubation

Henry E. Wang, MD; Douglas F. Kupas, MD; Paul M. Paris, MD; Donald M. Yealy, MD; *University of Pittsburgh, Pittsburgh, Pennsylvania*

8:15 a.m. – 8:30 a.m.

The Incidence of Transient Hypoxia and Heart Rate Reactivity During Paramedic Rapid Sequence Intubation

James Dunford, MD; Daniel Davis, MD; Mel Ochs, MD; Michael Doney, MD; David Hoyt, MD; *University of California San Diego, San Diego, California*

8:30 a.m. – 8:45 a.m.

The Use of Quantitative End-Tidal Capnometry to Avoid Inadvertent Severe Hyperventilation in Head-Injured Patients Following Paramedic Rapid Sequence Intubation

Daniel Davis, MD; James Dunford, MD; Mel Ochs, MD; Kenneth Park, MS; David Hoyt, MD; *University of California San Diego, San Diego, California*

8:45 a.m. – 9:00 a.m.

The Effect of Paramedic Rapid Sequence Intubation on Outcome in Patients with Severe Traumatic Brain Injury

Daniel P. Davis, MD; David B. Hoyt, MD; Mel Ochs, MD; Dale Fortlage, BA; Troy Holbrook, PhD; Lawrence K. Marshall, MD; Peter Rosen, MD; *University of California San Diego, San Diego, California*

Friday, January 17, 2003

Session #3: 4:00 p.m. – 5:30 p.m.

4:00 p.m. – 4:15 p.m.

The Epidemiology of Out-of-Hospital Anaphylaxis

Kathleen E. Kane, MD; David C. Cone, MD; *Yale Emergency Medicine, New Haven, Connecticut*

4:15 p.m. – 4:30 p.m.

Medication Storage Temperatures on U.S. Ambulances: A Prospective Multi-Center Observational Study

Lawrence H. Brown, EMT-P; Claudia C. Okeke, MD; Calvin D. Tran, PhD; Kurt Krumperman, EMT-P; Thomas Medwick, MD; Leonard C. Bailey, MD; *SUNY Upstate Medical University, Syracuse, New York*

4:30 p.m. – 4:45 p.m.

Reduction in Injury Severity and Cost of Treatment with Motorcycle Helmet Use

Malaika Omowale, MBA; Laurie Lin, MS; Ross E. Megargel, DO; Robert E. O'Connor, MD, MPH; *Christiana Care Health System, Newark, Delaware*

4:45 p.m. – 5:00 p.m.

Rehabilitation Following Physical Stress and Endurance in Police, Fire, and Emergency Medical Responders Affiliated with a Terrorism Response Team

Nael Hasan, MD; Tom Blackwell, MD; *Carolinas Medical Center, Charlotte, North Carolina*

5:00 p.m. – 5:15 p.m.

Distance-Unlimited Focused Abdominal Sonography for Trauma (FAST) Using Wireless, Satellite, and Mobile Ambulance Transmissions

CPT Christofer A. Strode, MD; Bernard J. Rubal, PhD; MAJ Robert T. Gerhardt, MD, MPH; MAJ

Frank L. Christopher, MD; James R. Bulgrin, BS-EE; E. Sterling Kinkler, Jr., PE, MS; LTC Terry D. Bauch, MD; LTC Sheri Y. N. Boyd, MD; *Brooke Army Medical Center, San Antonio, Texas*

5:15 p.m. – 5:30 p.m.

The Direct Costs of Community Consultation and Public Disclosure for Exception from Informed Consent for Emergency Research

Vincent N. Mosesso Jr., MD; Lawrence H. Brown, EMT-P; Tom P. Aufderheide, MD; Richard A. Craven, MD, FACEP; Michael R. Sayre, MD; Terri A. Schmidt, MD; Andrew Travers; Myron L. Weisfeldt; Leon Greene and the PAD Investigators; *University of Pittsburgh, Pittsburgh, Pennsylvania*

POSTER PRESENTATIONS

Poster Session A – Set Up Time: Wednesday,

January 15, 2003, 3:00 p.m. – 8:00 p.m.

Moderated Poster Session A: Thursday,

January 16, 2003, 5:00 p.m. – 6:00 p.m.

Take Down Time: Thursday,

January 16, 2003, 8:30 p.m.

- 01 Effect of a Protocol to Limit the Number of Intubation Attempts on Successful Intubation Rate by Paramedics in an Urban EMS System
Salvatore Silvestri, MD; George Ralls, MD; Josef Thundiyl, MD; Steven G. Rothrock, MD; *Institute of Emergency Medical Services Education and Research, Inc., Orlando, Florida*
- 02 Prehospital CPAP Reduces the Need for Endotracheal Intubation
Philip P. Bailey, MS; Tom A. Sweeney, MD; Robert E. O'Connor, MD, MPH; Tracy A. Hitchner, RN; Ross E. Megargel, DO, FACEP; Michael Schnyder, NREMT-P; *Christiana Care Health Services, Newark, Delaware*
- 03 Comparison of the Intubating Laryngeal Mask Airway Versus Laryngoscopy in the Bell 206-L3 EMS Helicopter
Eric R. Swanson, MD; David E. Fosnocht, MD; Ken Matthews, RN; Erik D. Barton, MD, MS; *University of Utah Health Sciences Center, Salt Lake City, Utah*
- 04 The Effect of Combitude Use on Paramedic Experience in Endotracheal Intubation
Charles E. Cady, MD; Ronald G. Pirrallo, MD, MHSA; *Medical College of Wisconsin, Milwaukee, Wisconsin*
- 05 Do Basic Level Rescuers Apply Appropriate Airway Interventions in Adult Patients Requiring Invasive Airway Management?
William P. Jackson; Henry E. Wang, MD; Douglas F. Kupas, MD; Paul M. Paris, MD; Donald M. Yealy, MD; *University of Pittsburgh, Pittsburgh, Pennsylvania*
- 06 Success and Failure Rates of RSI Versus Non-RSI Intubations by Air Medical Crews in 1277 Patients
Erik D. Barton, MD, MS; Keith Van Curan, MS II; Reid Robison, MS II; Eric R. Swanson, MD; Scott Jones, MD; Kevin Hutton, MD; *University of Utah Emergency Medicine, Salt Lake City, Utah*
- 07 Laryngoscopic Visualization Grade Predicts Difficult Intubations by Air Medical Crews in the Prehospital Setting
Erik D. Barton, MD, MS; Reid Robison, MS II; Keith Van Curan, MS II; Eric Swanson, MD; Scott Jones, MD; Kevin Hutton, MD; *University of Utah Emergency Medicine, Salt Lake City, Utah*



- 08 **The Risk of Prehospital Intubation Failure in Pediatric and Traumatically Injure Patients Compared to Adult Cardiac Arrest** Alex G. Garza MD; Matthew C. Gratton MD; Adam Algren MD; Kansas City Missouri Health Department, Kansas City, Missouri
- 09 **Emergency Department Comparison of Racemic Albuterol and Levalbuterol in the Treatment of Acute Asthma** David M. Schreck, MD, MS, FACEP, FACEP; William T. Rosen, NREMT-P; Laurie L. Roe, MICP; Capital Health System, Trenton, NJ
- 10 **Feasibility of Using BiPAP for Patients in Pulmonary Edema in a Suburban Township EMS System** Francis Mencl, MD; Eileen Baker, MD; Mark Marcheta, RN, EMT-P; Summa Health Systems, Akron, Ohio
- 11 **Paramedics Can Successfully Screen Older Adults for Risk of Falling** Manish N. Shah, MD; Dan Lemkin, MD; Paula J. Willoughby, DO; Kate E. Pickett, PhD; Cai Glushak, MD; University of Rochester, Rochester, New York, University of Chicago, Chicago Fire Department, Chicago, Illinois
- 12 **Use of an EMS' Excess Capacity to Provide Non-Emergency Clinical Care to an Isolated Community** Ed Cain, MD; Jaime Holquin; George Doyle-Bedwell; Ian Epstein; Tanya Murray; Emergency Health Services Nova Scotia, Bedford, Nova Scotia, Canada
- 13 **Development of an EMS Home Screening Form as an Aid to Discharge Planning for Elder Patients** Lowell W. Gerson, PhD; Francis Mencl, MD; David Peter, MD; David Byers, BS; Pragna Patel, BS; Jennifer Pavelko, BS; Summa Health System, Northwestern Ohio Universities College of Medicine and Akron General Medical Center, Akron, Ohio
- 14 **EMS Diversion of Ambulances Effectively Decreases Volume and Revenue to Hospitals** Kyle Bukowski, MBA; Christine C. McEachin, RN, BSN, AEMT/IC; Robert A. Swor, DO; Andrew G. Wilson, MD; William Beaumont Hospital, Royal Oak, Michigan
- 15 **A Prospective Study of Minimizing Ambulance Diversion and Its Effects on Emergency Department Census and Hospital Admissions** Gary M. Vilke, MD; Angela Loh, MD; University of California, San Diego, California
- 16 **A Projection of the Impact That Closure of the District of Columbia General Hospital Trauma Service Would Have on the Remaining Adult Trauma Centers Using a Geographic Information System** Robert N. E. French, MD; Erik Johnson, NREMT-P; Chris Zervas, NREMT-P; Fernando Daniels III, MD; George Washington University, Washington, D.C.
- 17 **Use of Emergency Medical Dispatch Codes to Identify Low Acuity Patients** Paul Bishop, MPA, EMT-P; Manish N. Shah, MD; Mike Kuder EMT-P; Eric A. Davis MD; University of Rochester, Rochester, New York
- 18 **Identifying Reasons For and Outcome of Patients That Access 9-1-1, Then Sign Out Against Medical Advice** Colleen Buono, MD; Gary Vilke, MD; Brad Schwartz, MD; Lana Brown, RN; Chris Swabb; University of California, San Diego Medical Center, San Diego, California
- 19 **Prehospital Hypoglycemia – The Safety of Not Transporting Treated Patients** Ed Cain, BSc, MD, FRCP(C); Stacey Ackroyd-Stolarz, MSc; Emergency Health Services Nova Scotia, Bedford, Nova Scotia, Canada
- 20 **What is the Outcome of Patients That Are Evaluated But Not Transported by Paramedics?** Aaron Harvey, EMT-P; Rick Henderson, MD; David Slattery, MD; City of Henderson Fire Department, Henderson, Nevada
- 21 **EMS and ED Physician Triage: Injury Severity in Trauma Patients Transported by Air Medical Services** Jeffrey S. Lubin, MD; Theodore R. Delbridge, MD; Christopher A. Fore, MD; John S. Cole, MD; Richard J. Wadas, MD; Dieder H. Nicholas, RN; University of Pittsburgh, Pittsburgh, Pennsylvania
- 22 **Post Traumatic Myocardial Infarction** David Dula, MD; Greg Shangold, MD; Thomas Payton, MD; Geisinger Medical Center, Danville, Pennsylvania
- 23 **Wireless and Satellite Transmission of Prehospital Focused Abdominal Sonography for Trauma is Feasible with Interpretable Images** CPT Christofer A. Strode, MD; Bernard J. Rubal, PhD; MAJ Robert T. Gerhardt, MD; James R. Bulgrin, BS-EE; LTC Sheri Y. N. Boyd, MD; Brooke Army Medical Center, San Antonio, Texas
- 24 **Field Trial of the F.A.S.T.1 Adult Intraosseous Infusion System by EMT-Paramedic and EMT-Intermediate Personnel** R. J. Frascione, MD; Koren Kaye, MD; Terry A. Provo, EMT-P; Joe Jensen, RN, EMT-P; Regions Hospital EMS, St. Paul, Minnesota
- 25 **Differences in Patient Comfort and Degree of Spinal Immobilization Between the Vacuum Mattress Splint and the Wooden Backboard** Hillary Dewbre, MD; Brian Zachariah, MD; UT Southwestern Medical Center, Dallas, Texas
- 26 **Prehospital Clinical Findings Associated with Spinal Cord Injury** Robert M. Domeier, MD; Shirley M. Fredericksen, RN; Robert A. Swor, DO; Saint Joseph Mercy Hospital, Ann Arbor, Michigan
- 27 **Reduction in Injury Severity and Cost of Treatment with the Use of Occupant Restraints** Malaika Omowale, MBA; Laurie Lin, MS; Ross E. Megargel, DO; Robert E. O'Connor, MD, MPH; Christiana Care Health System, Newark, Delaware
- 28 **An Experimental Model of Heat Storage in Working Firefighters** Carin M. Van Gelder, MD; Sandy Bogucki, MD, PhD; L. Alex Pranger; M. Eng; William P. Wiesmann, MD; Yale University and The BioStar Group, New Haven Connecticut and Germantown, MD
- 29 **Critical Care Knowledge of Resident Physicians Compared to Helicopter Flight Crews** Debra G. Perina, MD; Robert Knox, BSN, CEN, CCEMT-P; University of Virginia, Ruckersville, Virginia
- 30 **Are Two Paramedics Better Than One?** James I. Syrett, MD, EMT-P; Eric A. Davis, MD; University of Rochester, Rochester, New York
- 31 **The Impact of Physician Presence on Patient Triage and Transport at an Annual Mass Gathering Event** Jeffrey S Lubin, MD; George W. Skarbek-Borowski, MD; Flor M Trespalacios, EMT-C; June J. Brown, EMT-C; Selim Suner, MD, MS; University of Pittsburgh, Pittsburgh, Pennsylvania
- 32 **Police Use of Tasers to Subdue Violent Offenders** Lynn J. White, MS; Richard Gradisek, MD; Nicole Gradisek; Thomas Lewis, MD; Akron General Medical Center, Akron, Ohio
- 33 **Physical Stress and Endurance Capabilities in Police, Fire, and Emergency Medical Responders affiliated with a Terrorism Response Team** Nael Hasan, MD; Tom Blackwell, MD; Carolinas Medical Center, Charlotte, North Carolina
- 34 **Effect of Terrorist Attacks of 2001 on Municipal Elected Officials' Involvement in Emergency Preparedness** Asa Margolis, NREMT-I; Sandy Bogucki, MD, PhD; Connecticut College and Yale University Section of Emergency Medicine, Branford, Connecticut
- 35 **Hospital Disaster Staffing: If You Call, Will They Come?** Bethany A. Cummings, MA, DO; David C. Cone, MD; Valley Health System, Winchester, Virginia
- 36 **Multiply Committed Providers and the Surge Capacity of Nationwide Emergency Medical Services** Andrus, P.; Bogucki, S.; Yale New Haven Hospital, New Haven, Connecticut
- 37 **Disaster Medicine Online: A Distance Education Approach to Disaster Medicine Training** Paul Parks, MD; Ken Lam, MD; Adam Lund, MD; Garnet Cummings, MD; Andrew Travers, MD; Walter Mckenzie Centre, Edmonton, Alberta, Canada
- 38 **Respiratory Care for Mass Casualties Due To Chemical and Biologic Weapons** David Ghilarducci, MD; William Fales, MD; Michigan State University/KCMS, Kalamazoo, Michigan
- 39 **Using EMS CAD Data, Statistical Methods and GIS Mapping to Create a Bio-Surveillance Alert System for an Urban U.S. Population** David P. Edwards; Todd Stout; Jerry Overton; Richmond Ambulance Authority, Richmond, Virginia
- 40 **Young Adults and the Volunteer Fire and EMS Service: What Factors Lead Them to Consider Membership Post-9/11?** David Jaslow, MD, MPH; Jacob Ufberg, MD; Mark Kantor, EMT-B; Chris Ware, MD; Derek Zecher, PA-C, EMT; David Cone, MD; Temple University Department of Emergency Medicine, Wyncote, Pennsylvania

Poster Session B – Set Up Time: Thursday, January 16, 2003, 8:30 p.m. – 9:30 p.m.

Moderated Poster Session B: Friday, January 17, 2003, 5:30 p.m. – 6:30 p.m.

Take Down Time: Saturday, January 18, 2003, 11:00 a.m. – 1:30 p.m.

- 41 **Safety and Physiologic Effect of Aggressive Prehospital Nitrate Therapy for Pulmonary Edema Associated with Congestive Heart Failure** Fred N. Jones, MD; Kathryn Brinsfield, MD, MPH; Boston EMS / RTQI, Boston, Massachusetts
- 42 **Prehospital Compliance With a Standing Orders Chest Pain Protocol – An Error of Omission?** Jennifer Hauler, DO; David Hostler, PhD, NREMT-P; George Kaiser, DO; Charles McIntosh, DO; Robert Hikida, PhD; University of Pittsburgh, Pittsburgh, Pennsylvania
- 43 **Errors in a Prehospital Chest Pain Protocol** Beck, P.W.; Rittenberger, J.C.; Paris, P.M.; University of Pittsburgh Affiliated Residency in Emergency Medicine, Pittsburgh, Pennsylvania



- 44 Association Between Mode of Arrival and Symptom Duration in Patients Undergoing Reperfusion for Acute Myocardial Infarction Robert E. O'Connor, MD, MPH; Lynn Bitner, BSN; Angela DiSabatino, MSN; Charles L. Reese, MD; Ross E. Megargel, DO; James Hopkins, MD; Ehsanur Rahman, MD; Christiana Care Health System, Newark, Delaware
- 45 Blood Levels of Amiodarone Following Endotracheal Administration in an Animal Model Francis Mencl, MD; Thea Lovett, MD; John V. Weigand, MD; Summa Health System, Akron, Ohio
- 46 Comparison of Single Versus Two-Paramedic Crew Configurations in Cardiac Arrest Management and Outcome William Fales; Michael Bryant; Mark McKeon; Kalamazoo Center for Medical Studies/Michigan State University, Kalamazoo, Michigan
- 47 The Effect of a Voice Activated Manikin on CPR Performance Among Prehospital Providers David Hostler; Kevin L. Parrish; Thomas E. Platt; Guy Guimond; Stephanie Kostos; University of Pittsburgh, Pittsburgh, Pennsylvania
- 48 Histopathologic Lung Changes Following Endotracheal Administration of Amiodarone in an Animal Model John V. Weigand, MD; Juan Iturregui, MD; Francis Mencl, MD; Thea Lovett, MD; Summa Health System, Akron, Ohio
- 49 Amiodarone Use in the Pre-Hospital Setting for Cardiac Arrest – Are Outcomes Really Better? Michael G. Millin, MD; Mary Hughes, DO; Oregon Health and Sciences University, Lake Oswego, Oregon
- 50 Paramedics Reasons to Transport Patients that Met Determination of Death (DOD) Criteria Daniel J. O'Brien, MD; Bradley S. Olds, MD; Ashlee A. Miller, RN; Tara Odle, MD; Eric S. Guerrant; Melissa Allen; University of Louisville, Louisville, Kentucky
- 51 A Comparison of First Responder AED Application Rates and Characteristics of AED Training E. Brooke Lerner; Anthony J. Billittier; Mary M. Newman; William J. Groh; University of Rochester, Rochester, New York
- 52 The North Carolina AED Project: A Project to Determine the Location of AEDs Potentially Available for Public Access Defibrillation (PAD) Brent Myers, MD MPH; David French, MD; Baxter Webb; UNC Hospitals, Chapel Hill, North Carolina
- 53 Effect of Adding Police and Public Access Defibrillation to a Preexisting First Responder AED Program Ross E. Megargel, DO; Diane M. Hainsworth, NREMT-P; Michael Schnyder, NREMT-P; Robert E. O'Connor, MD, MPH; Christiana Care Health System, Newark, Delaware
- 54 Public Access Defibrillation: A Novel Surveillance System to Measure the Burden and Acuity of Illness in the Community Ryan Deedo, EMT; Adrian Panylyk, EMT-P; Andrew Travers, MD, FRCPC; Emergency Response Department, Edmonton, Alberta, Canada
- 55 Voice Recordings on Automated External Defibrillators as an EMS Quality Improvement Tool Michael M. Bryant; Mark McKeon; William D. Fales; MSU/KCMS, Kalamazoo, Michigan
- 56 Out-of-Hospital Emergency Cardio-Vascular Care in Cuba Amado Alejandro Báez, MD, MSc; Annie Sadosty, MD; Department of Emergency Medicine, Mayo Graduate School of Medicine, Rochester, Minnesota
- 57 The Ontario Air Ambulance Base Hospital Program Barbara Mason, Med; Christopher Mazza, MD; Brian Schwartz, MD; Sunnybrook and Women's Base Hospital Program, Toronto, Ontario, Canada
- 58 Provincial PCR (Prehospital Collaborative Research) Consortium: A Preliminary Analysis Andrew Travers, MD, FRCPC; Adrian Panylyk EMT-P; Sunil Sookram, MD, FRCPC; Terry Sosnowski, MD, FRCPC; City of Edmonton, Emergency Response Department, Edmonton, Alberta, Canada
- 59 Overview of a Paramedic Continuing Education Program in Toronto, Canada Robert J. Burgess, ACP; Brian Schwartz, MD; Sunnybrook & Women's College Health Sciences Centre, Toronto, Ontario, Canada
- 60 Emergency Medicine in the Federal Republic of Nigeria Sharon E. Mace, MD, FACEP, FAAP; Samuel Nkiru Mbazuigwe, MD; Cleveland Clinic Foundation, Cleveland, Ohio
- 61 Nationwide Variation Among EMS Protocols for Children Tasmeen Singh, MPH, NREMT-P; Joseph Wright, MD, MPH; Children's National Medical Center, Washington, D.C.
- 62 Few Pediatric EMS Patients with Injuries Receive Analgesia Christine McEachin, RN, BSN, EMT-P/IC; Debra Sequin, RN, MN, CCRN, CEN; Robert Swor, DO; Kristi Grall, MD; William Beaumont Hospital, Royal Oak, Michigan
- 63 Children With Lower Extremity Fractures Receive Prehospital Analgesia as Infrequently as Adults Swor R.A.; McEachin C.M.; Sequin D.; Grall K.; William Beaumont Hospital, Royal Oak, Michigan
- 64 Ethyl Chloride Vapocoolant Spray Fails to Decrease Pain Associated With Intravenous Cannulation in Children Mary Costello, MD; Maria Ramundo, MD; Norman C. Christopher, MD; Keith R. Powell, MD; Children's Hospital Medical Center of Akron, Akron, Ohio
- 65 Midazolam Versus Diazepam in the Treatment of Pediatric Seizures in the Prehospital Setting Carrie Frederick, BA; Craig R. Warden, MD, MPH; Jonathan Jui, MD, MPH; Jed Roe, MD; Oregon Health Science University, Portland, Oregon
- 66 Prehospital Use of Benzodiazepines for Pediatric Seizure Management Joseph Wright, MD, MPH; Tasmeen Singh, MPH, NREMT-P; Terry Adirim, MD, MPH; Kate Shreve; James Chamberlain, MD; Children's National Medical Center, Washington, D.C.
- 67 Program Evaluation of a Prehospital Notification Program Terry Adirim, MD, MPH; Tasmeen Singh, MPH, NREMT-P; Elizabeth Smith, RN, NREMT-P; Joseph Wright, MD, MPH; Children's National Medical Center, Washington, D.C.
- 68 Suspected Opiate-Related Medical Encounters in a Rural State: Does EMS Data Support Media Reports of Alarming Trends? Colin Faith, MS-IV; John L. Alexander, MD; John H. Burton, MD; Tamas R. Peredy, MD; Maine Medical Center, Portland, Maine
- 69 Paramedic Protocol Compliance-Implications for Controlled Substances Michael Guttenberg, DO, EMT-P; Lewis W. Marshall, MD, JD; Joseph Bove, MD; Laurie Santo, EMT-P; New York Methodist Hospital, Fresh Meadows, New York
- 70 Assessment for Deaths in Prehospital Heroin Overdose Patients Treated with Naloxone who Refuse Transport Gary M. Vilke, MD; Christian Sloane, MD; Alan M. Smith, MPH; Theodore C. Chan, MD; University of California, San Diego Medical Center, San Diego, California
- 71 Developing Performance Measures for Fire-Based EMS Systems Lori Moore, DrPH, MPH, EMT-P; Bernard Horak, PhD; Michael Stoto, PhD; International Association of Fire Fighters, Washington, D.C.
- 72 The Objective Structured Clinical Examination in Paramedic Competency Assessment Laurie Mazurik, MD; Graham Munro, CCP; Robert J. Burgess, ACP; Brian Schwartz, MD; Sunnybrook and Women's Base Hospital Program, Toronto, Ontario, Canada
- 73 Comparison of Instructor to Student Self-Perception of Key Skills Proficiency in Two Training Models Robert A. De Lorenzo, MD; Cynthia A. Abbott, RN, PhD; Brooke Army Medical Center, Fort Sam Houston, Texas
- 74 Comparison of Supervisor's Perception to Actual Skills and Knowledge Performance of Medics Robert A. De Lorenzo, MD; Cynthia A. Abbott, RN, PhD; Brooke Army Medical Center, Fort Sam Houston, Texas
- 75 Comparison of Provider Actions in a Trauma Scenario Involving Crush Syndrome at an International EMS Competition Francis Mencl, MD; Jay Kovar, MD; Kendall Little, MD; Summa Health System, Akron, Ohio
- 76 Campus Based EMS: 2002 Survey by the National Collegiate EMS Foundation Jonathan Fisher; Scott Savett; Mark Milliron; George Koenig; Adam Ray; Albert Einstein Medical Center, Philadelphia, Pennsylvania
- 77 The Prevalence of EMS Research from EMS Fellowship Programs: A Review of Recent Literature Clint Evans, MD, NREMT-P; David Cheng, MD; Presenting Author: Clint Evans, MD, NREMT-P; University of Arkansas for Medical Sciences, Little Rock, Arkansas
- 78 Emergency Medical Services Utilization and the Influence of Language on Successful Access Neal K Sikka, MD; Puneet Chopra, BA; Dan Hanfling, MD; Suzanna Goldblatt; John Howell, MD; The George Washington University, Arlington, Virginia
- 79 Urban EMS System Experience with Early Identification and Mobilization of Emergency Department Management for Patients with Suspected Acute Stroke Jon Levine, EMT-P; Clara Safi, RN; Supriya Mehta, PhD; Richard Larson, MD; Patricia Mitchell, RN; Peter Moyer, MD; Boston EMS, Boston, Massachusetts
- 80 Inadequate Blood Pressure Control in Patients Undergoing Interfacility Transport for Suspected Aortic Dissection – Potential for EMS Intervention Greg Winsor, RN; Stephen H. Thomas, MD, MPH; Paul Biddinger, MD; Massachusetts General Hospital, Boston, Massachusetts