



Ambulance Safety for the 21st Century

- What can be done to make ambulance transportation safer?
- What current and/or proposed plans are under discussion to improve patient and personnel restraints system within ambulances?
- What can neonatal and pediatric transport personnel do to support the legislative and regulatory process as it pertains to ambulances – vehicles and passengers?

AGENDA

Introduction of Speakers and Topics

Calvin G. Lowe, MD, FAAP — Moderator

Medical Director, Children's Emergency Transport and Attending Physician, Division of Emergency and Transport Medicine, Children's Hospital Los Angeles; Former Executive Committee Member, Section on Transport Medicine, American Academy of Pediatrics

Discuss What Is Currently Known about Ambulance Accidents and Injuries

David W. Bryson, BA, EMT-Basic

Highway Safety Specialist, United States Department of Transportation, National Highway Traffic Safety Administration's Office of EMS

Review Current (and Proposed) Studies Targeted at Improving Ambulance Safety and Structure

James D. Green, BSME, MBA

Safety Engineer, National Institute for Occupational Safety and Health

Review Current Restraint Options and Validation of Process and Testing

Marilyn J. Bull, MD, FAAP

Morris Green Professor of Pediatrics, Section, Developmental Pediatrics and Automotive Safety Program, Riley Hospital for Children; Former Chairperson, Committee on Injury, Violence and Poison Prevention, American Academy of Pediatrics

Summarize Steps Required to Design an Overall Advocacy/Policy Strategy

Cindy Pellegrini

Assistant Director, Department of Federal Affairs, American Academy of Pediatrics

Michael S. Trautman, MD, FAAP

Medical Director of Education, Section of Neonatal-Perinatal Medicine, Riley Hospital for Children Chairperson, Section on Transport Medicine, American Academy of Pediatrics

Question and Answer Session

WHO SHOULD ATTEND

- Members and Administrators of Neonatal and Pediatric Transport Teams
- General Pediatricians
- Pediatric Hospitalists
- Critical Care Physicians
- Emergency Physicians
- Neonatologists
- Emergency Medical Technicians (EMTs)
- Nurses
- Paramedics
- Respiratory Care Therapists
- Policy Makers

LEARNING OBJECTIVES

- Determine what safety devices and equipment are currently available in the transport community and discuss future development of safety features for ambulances.
- Outline measures for keeping patients and health-care personnel safe during neonatal and pediatric transports.
- Learn how to advocate at the local, state, and federal levels for "smarter" regulations for ambulances.

Moderator:**Calvin G. Lowe MD, FAAP**

*Medical Director, Children's Emergency Transport and Attending Physician, Division of Emergency and Transport Medicine Children's Hospital Los Angeles
Former Executive Committee Member, Section on Transport Medicine, American Academy of Pediatrics*

Dr. Calvin G. Lowe is an Assistant Professor of Pediatrics at the Keck School of Medicine of the University of Southern California. At Children's Hospital Los Angeles, Dr. Lowe is an Attending Physician in the Department of Emergency Medicine and serves as the Medical Director of the Children's Emergency Transport Team. He is a Fellow of the American Academy of Pediatrics with membership on the Section of Emergency Medicine and Section of Transport Medicine. Dr. Lowe has been a past Executive Committee Member of the Section on Transport Medicine (2003 - 2009).

Faculty:**David W. Bryson, BA, EMT-Basic**

Highway Safety Specialist, United States Department of Transportation, National Highway Traffic Safety Administration's Office of EMS

David's main responsibility at NHTSA is the development and revision of EMS personnel training and education. He leads the division's effort to implement the 2000 EMS Education Agenda: A Systems Approach and spearheaded the development of the National EMS Core Content, the National EMS Scope of Practice Model and the National EMS Education Standards and Instructor Guidelines.

David's other responsibilities at NHTSA include monitoring and tracking ground ambulance safety issues, serving as the office's liaison to the fire service and participating on a number of EMS education specific committees.

David is also a life member of the Fairfax Volunteer Fire Department, a combination volunteer and career department that provides EMS, technical rescue and suppression services to his local community, and he currently serves as the Assistant Chief of Operations.

Marilyn J. Bull, MD, FAAP

*Morris Green Professor of Pediatrics Section, Developmental Pediatrics and Automotive Safety Program, Riley Hospital for Children
Former Chairperson, Committee on Injury, Violence and Poison Prevention, American Academy of Pediatrics*

Dr. Bull is a graduate of the University of Michigan Medical School. She did a pediatric residency at Children's Memorial Hospital of Chicago and a fellowship in Birth Defects and Genetic Counseling at Boston Floating Hospital. She has served on the faculty at the Indiana University Medical Center since 1976 where she currently is the Morris Green Professor of Pediatrics at Riley Hospital for Children. Dr. Bull serves as Co-Medical Director of the Automotive Safety for Children Program at Indiana University where her research interests include safe transportation of children with special health care needs and ambulance transportation safety.

Dr. Bull is a frequent participant in continuing medical education programs for the American Academy of Pediatrics, the American Academy of Cerebral Palsy and Developmental Medicine, the Association for the Advancement of Automotive Medicine, the Emergency Medical Services for Children and medical centers across the country and speaks nationally and internationally on several topics including Down syndrome and occupant protection, especially safe transportation of children with disabilities.

James D. Green, BSME, MBA

Safety Engineer

National Institute for Occupational Safety and Health

As a researcher with the National Institute for Occupational Safety and Health, the focus of Mr. Green's research in ambulance safety has been the provision of a safe working environment for volunteer and career emergency medical workers. Through this endeavor, Mr. Green has completed full scale crash testing of ambulances which have helped to identify numerous hazards and opportunities for improvements in safety for both workers and patients. Mr. Green has now expanded his research to include partners from the National Highway Traffic Safety Administration and Ambulance Manufacturers. Together, and in collaboration with the National Fire Protection Association, they are working to develop new ambulance design and safety standards to better serve workers and patients alike.

Cynthia Pellegrini

Assistant Director, Department of Federal Affairs

American Academy of Pediatrics

Cynthia Pellegrini is Assistant Director for Federal Affairs at the American Academy of Pediatrics, covering a range of issues including genetics, bioethics, child abuse and neglect, environmental health, emergency medicine, disaster preparedness, and injury and violence. Prior to joining AAP in 2004, Ms. Pellegrini worked on Capitol Hill for over eleven years. From 1996 to 2004, she served as Chief of Staff and health aide to Rep. Louise Slaughter (NY). Her tenure on Capitol Hill also included stints with Reps. Gerald Kleczka (WI) and Jay Inslee (WA). She has published on trends in federal public health and preparedness spending and serves on the National Commission on Children and Disasters' Pediatric Medical Care Subcommittee. Ms. Pellegrini has an extensive background in public policy issues as well as politics and administration.

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The American Academy of Pediatrics is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The AAP designates this educational activity for a maximum of 1.50 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This activity is acceptable for a maximum of 1.50 AAP credits. These credits can be applied toward the AAP CME/CPD Award available to Fellows and Candidate Members of the American Academy of Pediatrics.

The American Academy of Physician Assistants accepts *AMA PRA Category 1 Credits*[™] from organizations accredited by the ACCME

This program is approved for 1.50 NAPNAP contact hours of which 0 contain pharmacology (Rx) content per the National Association of Pediatric Nurse Practitioners Continuing Education Guidelines.

Questions? please contact Niccole Alexander at nalexander@aap.org

Michael S. Trautman, MD, FAAP

*Medical Director of Education, Section of Neonatal-Perinatal Medicine, Riley Hospital for Children
Chairperson, Section on Transport Medicine, American Academy of Pediatrics*

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Eckerd College, St. Petersburg, FL	B.S.	1976	Biology
Ohio State Univ. College of Medicine, Columbus, OH	M.D.	1979	Medicine

A. Positions and HonorsPositions and Employment

1982-1983	Adjunct Instructor in Pediatrics, UCLA Medical Center, Los Angeles, CA
1986-1988	Clinical Instructor in Pediatrics, Stanford University Medical Center, Stanford, CA
1991-1995	GREC Instructor, Salt Lake City Veterans Hospital, Salt Lake City, UT
1992-1999	Medical Director, Neonatal Life Flight, Primary Children's Medical Center, Salt Lake City, UT
1988-1995	Assistant Professor in Pediatrics, Divisions of Neonatology & Human Development and Aging, University of Utah, Salt Lake City, UT
1995-1999	Associate Professor in Pediatrics, University of Utah, Salt Lake City, UT
1999-Present	Clinical Associate Professor of Pediatrics, Indiana University, Riley Hospital for Children, Indianapolis, IN
1999-2002	Medical Director, Neonatal Nurse Practitioners, Riley Hospital for Children, Indianapolis, IN
1999-2005	Medical Director, Neonatal & Pediatric Transport, Riley Hospital for Children, Indianapolis, IN
2005-2008	Co-Medical Director of Lifeline Clarian Critical Care Transport, Indianapolis, IN
2006-Present	Center for Medical Simulation, Operation Planning Committee Member and Steering Committee Member, Indiana University School of Medicine, Indianapolis, IN
2007-Present	Adjunct Associate Professor, Department of Family Health, Indiana University School of Nursing, Indianapolis, IN
2008-Present	Director of Education, Department of Pediatrics, Section of Neonatal-Perinatal Medicine, Indiana University School of Medicine, Indianapolis, IN
2008-Present	NICHD Manuscript Review, Neonatal Research Network
2008-Present	Chairman, Executive Committee, Section of Transport Medicine, The American Academy of Pediatrics

B. Selected peer-reviewed publications (in chronological order).

- Ohls RK, Li Y, Trautman MS, Christensen RD. Erythropoietin production by macrophages from preterm infants: Implications on the etiology of the anemia of prematurity. *Pediatric Research*. 1994; 35:169-170.
- Silver RM, Edwin SS, Trautman MS, Simmons DL, Branch DW, Dudley DJ, Mitchell MD. Infection-mediated fetal death: production of a newly recognized form of inducible cyclooxygenase (COX-2) in murine decidua in response to lipopolysaccharide. *Journal Clinical Investigation*. 1995; 95:725-731.
- Bleak T, Trautman MS. Use of composite material to reduce equipment weight during neonatal transport. *Air Medical Journal*. 1995; 14:26-29.
- Trautman MS, Edwin SS, Collmer D, Dudley DJ, Simmons D, Mitchell MD, Prostaglandin H synthase in human gestational tissues: regulation in amnion. *Placenta*. 1996;17, 239-245.
- White WL, Shaddy RE, Zhang L, Trautman MS, Zhao L, Shelby JE, Barry WH. Apoptosis of Ventricular Cardiomyocytes by Cells Expressing the Fas Ligand Following Heart Transplantation. *Transplantation*. 1997;16:250-255.
- Trautman MS, Collmer D, Mitchell MD, Dudley DJ. Interleukin-10 expression in human gestational tissues. *Journal of the Society for Gynecologic Investigation*. 1997;4:247-253.
- Trautman MS, Cox K, and Romito JM. AAP Section on Transport Medicine. Team Composition, Selection, Training and Transport Resources. American Academy of Pediatrics, Guidelines for Air and Ground Transport of Neonatal and Pediatric Patients 2007, 3rd edition.
- American Academy of Pediatrics & The American College of Obstetricians and Gynecologists, Guidelines for Perinatal Care, 2007, 6th edition, lists resource to Trautman MS, Cox K, and Romito JM. AAP Section on Transport Medicine. Team Composition, Selection, Training and Transport Resources. American Academy of Pediatrics, Guidelines for Air and Ground Transport of Neonatal and Pediatric Patients 2007, 3rd edition.
- American Academy of Pediatrics, Section on Orthopaedics, Committee on Pediatric Emergency Medicine, Section on Critical Care, Section on Surgery, Section on Transport Medicine, Committee on Pediatric Emergency Medicine and Pediatric Orthopaedic Society of North America. Management of pediatric trauma. *Pediatrics*. 2008 Apr; 121(4):849-54. Review.

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Faculty: Michael S. Trautman, MD, FAAP *(continued)*

C. Recent Research Support

BSYX-A1110-MAB-006:

12/04/03-10/31/05

Sponsor: Biosynexus Incorporated; Co-Spons. By GlaxoSmithKline

Multi-National, Prospective Cohort Study to Evaluate the Incidence and Outcome of Staphylococcal Sepsis in Neonates with Gestational Age Between 24 and <34 Weeks.

Role: Principal Investigator

BSYX-A1110-MAB-003

Sponsor: Biosynexus Incorporated and GlaxoSmithKline

4/7/03-3/6/04

Phase II Randomized, double blind, placebo controlled trial, safety, pharmacokinetics, pharmacodynamics, and clinical activity study in very low birth weight neonates of BSYX-A110 an Anti-Staphylococcal monoclonal antibody for the Prevention of Staphylococcal Infection.

Role: Principal Investigator