

## RESEARCH PROJECTS

Ashton-Miller J, Smith R: What proportion of falls is associated with activities that divide attention? Site liaison. National Institutes of Health, UM Dept. of Mechanical Engineering, Biomechanics Research Laboratory.

Barton DF: Predicting the occurrence of pneumothoraces using ultrasonography.

Domeier R: A prospective evaluation of paramedic intubation practice after rapid sequence intubation (RSI) program implementation.

Domeier RM: Performance assessment of pre-hospital spinal clearance criteria.

Engel K: Exploring patient interactions with the health care team in the emergency department: An assessment of comprehension, satisfaction, and behavioral intent in patients at discharge. Robert Wood Johnson Foundation.

Koestner A, Manion P, Mattice C, Seguin C, Walters MR, Vanderkolk W: Senior lifestyles and injury prevention (SLIP): An injury prevention program for older adults in Michigan. Michigan Committee on Trauma. Spectrum Health.

Maio R, Smith R: Brain Injury: Michigan incidence, impact and cost. US Center for Disease Control and Prevention, Mild Traumatic.

Maio R: Non-Hospitalized TBI: Michigan incidence, impact and Cost.

Melnick D, Pomerantz R, Maio R, Blow F, Hill E, Wang S, Kane M, Graham-Bermann S: Prevalence of alcohol abuse and domestic violence among female patients on a general surgery trauma service. National Institute for Alcohol Abuse and Alcoholism. University Of Michigan, Department of Surgery, St. Joseph Mercy Hospital and Hurley Medical Center.

Mikhail MG, Moyer-Deiner D: A prospective feasibility analysis of ACL-TIPI for a clinical prediction rule in Emergency Department chest pain protocol patients undergoing nuclear imaging or exercise echocardiography.

Moseley K: Measuring trust and perceptions of discrimination and racism in parents of pediatric outpatients: A pilot study. NIH.

Sama M, Smith R, Doyle C, McCurren R, Moore K, Severin J, Renkin D: Community-acquired pneumonia (CAP) in North American emergency departments: Resistance and treatment success with long-acting clarithromycin (Biaxin-XL). Sixteenth Multi-center Airway Research Collaboration. Massachusetts General Hospital.

Silbergleit R: A Double Blind, randomized, placebo-controlled, parallel group, multi-center, phase IIb study to assess the safety and tolerability of 72 hours intravenous infusion of NXY-059 in adult patients with acute intracerebral hemorrhage. ICH.

Smith R: The Michigan Acute Stroke Care Overview and Treatment Surveillance System. US Center for Disease Control and Prevention.

Smith R: Combined approach to lysis utilizing eptifibatid and rt-PA in acute ischemic stroke. NINDS.

Smith R, Baker M, Moore K, Tucker H: A Randomized, Double blind study to determine the efficacy of Levalbuterol versus Racemic Albuterol in the treatment of acute asthma. Sepracor Inc.

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## RESEARCH PROJECTS (CONT.)

Smith R: SAINT II (Stroke-Acute Ischemic-NXY Treatment) A Double blind, placebo-controlled, parallel group, multi-center, phase IIb/III study to assess the efficacy and safety of intravenous NXY-059 in acute ischemic stroke.

Williams G: Discussing framingham cardiac risk factor point scores at chest pain center discharge increases the likelihood of behavior modification.

Williams G: Lipid clinic referral to reduce 60-day LDL levels in patients discharged from a chest pain center.

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## ARTICLES APPEARING IN SCIENTIFIC JOURNALS

Domeier RM, Frederiksen SM, Welch K. Prospective performance assessment of a prehospital protocol for selective spine immobilization using clinical spine clearance criteria. *Ann Emerg Med* 2004 – 2005. (In Press).

Domeier RM. National Association of EMS Physicians Board position paper review actions 2002-2003. *Prehosp Emerg Care*. 2004 Jul-Sep;8(3):317-8.

Domeier R, Scott P, Wagner C. From Research to the road: the development of EMS specialty triage. *Air Med J*. 2004 Jul-Aug; 23(4);28-31.

Khare R, Domeier RM, Frederiksen SM, Welch K. Effect of age and mechanism of injury on prehospital clinical spine clearance. *Prehosp Emerg Care*. 2004 Jan-Feb;8(1):101.

McLean SA, Domeier RM, DeVore HK, Hill EM, Maio RF, Frederiksen SM. The feasibility of pain assessment in the pre-hospital setting. *Prehosp Emerg Care* 2004 Apr-Jun;8(2):155-161.

Wang HE, Domeier RM, Kupas DF, Greenwood MJ, O'Connor RE. Recommended guidelines for uniform reporting of data from out-of-hospital airway management: Position statement of the National Association of EMS Physicians. *Prehosp Emerg Care* 2004 Jan-Mar;8(1):58-72.

Delbridge T, Domeier R, Key CB. Pre-hospital asthma management. *Pre-hospital emergency care*. 2003;7:42-47. 2003 Jan-Mar;7(1):42-47.

Hopson LR, Hirsh E, Delgado J, Domeier RM, Krohmer J, McSwain NE, Weldon C, Friel M, Hoyt DB. Guidelines for withholding of termination of resuscitation on pre-hospital traumatic cardiopulmonary arrest. *J Am Coll Surg* 2003;196:106-112.

Hopson LR, Hirsh E, Delgado J, Domeier RM, Krohmer J, McSwain NE Jr, Weldon C, Friel M, Hoyt DB. National Association of EMS Physicians Standards and Clinical Practice Committee: American College of Surgeons Committee on Trauma. Guidelines for withholding or termination of resuscitation in prehospital traumatic cardiopulmonary arrest. *J Am Coll Surg*. 2003 Mar;196(3):475-81.

Hopson LR, Hirsh E, Delgado J, Domeier RM, McSwain NE, Krohmer J. Position Paper, National Association of EMS Physicians: Guidelines for Withholding of Termination of Resuscitation on Prehospital Traumatic Cardiopulmonary Arrest: a joint position paper from the National Association of EMS Physicians Standards and Clinical Practice Committee and the American College of Surgeons Committee on Trauma. *Prehosp Emerg Care* 2003;7:141-146.

Markenson DS, Domeier RM. Position Paper, National Association of EMS Physicians: The Use of Automatic External Defibrillators in Children. *Prehosp Emerg Care* 2003 Apr-Jun;7(2):258-264. Erratum in *Prehosp Emerg Care*. 2003 Oct-Dec;7(4):495.

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**BOOK CHAPTERS**

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Mitchiner JC. EMTALA and EMS. In Principles of EMS, 3rd edition. 2005. (In Press)

Smith, RS and Newton CRH: Congestive Heart Failure. American College of Emergency Physicians. In Secrets in Emergency Medicine, 3rd edition 2003, pp 131-134.

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**ABSTRACTS, PRELIMINARY COMMUNICATIONS, PANEL DISCUSSIONS AND SCIENTIFIC MEETINGS**

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Mitchiner JC, Williams G, Smith MJ, Winston SA, Hubbard B. Collaboration between cardiologists and emergency department personnel in a quality improvement project for acute myocardial infarction. Presented at the annual meeting and technical conference, American Health Quality Association, San Francisco, CA, February 23, 2005.

Khare R, Domeier RM, Frederiksen SM, Welch K. Effect of age and mechanism of injury on pre-hospital clinical spine clearance. Pre-hospital emergency care (NAEMSP 2004 Abstract) 2004;8:101. Presented at National Association of EMS Physicians, Scientific Meeting, January 2004 – Best Poster Award.

Khare, RK, Domeier, RM and S. Frederiksen. Effect of age and mechanism of injury on pre-hospital clinical spinal clearance criteria. Poster presentation at the National Association of EMS Physicians Annual Meeting, Phoenix Arizona. January 2004.

Khan I, Swor RA, Compton S, Jackson RE, Zalenski R, Domeier RM, Chu K, Pascual R. Factors associated with CPR nonperformance after out-of-hospital cardiac arrest. Pre-hospital emergency care (NAEMSP 2004 Abstract) 2004;8:80.

Mitchiner JC. Preliminary results from a collaborative quality improvement effort focusing on hospital emergency departments. Abstract presented at the American Health Quality Association 2004 Tri-Regional Conference, St. Pete Beach, Florida, June 16, 2004.

Mitchiner JC. The effect of selected hospital characteristics on the timeliness of antibiotic administration for pneumonia: a retrospective study. Presented at the American Health Quality Association 2004 QualityNet Conference, Hunt Valley, MD, September 21, 2004.

Barton D. Emergency cardiovascular ultrasound. Presented at Wayne State University, Detroit Receiving Hospital EM Residency Program, March 6, 2003.

Barton D. Laennec's Ouster: The emergence of the visual stethoscope. Presented at the University of Michigan Medical School, Emergency Medicine Interest Group, March 13, 2003.

Barton D. Emergency cardiovascular ultrasound. Presented at MCEP/OhCEP Ultrasound Course, May 13, 2003.

Barton D. The physics of medical imaging: ultrasound. Presented at the University of Michigan Department of Physics, November 1, 2003.

Barton D. Ultrasound physics and knobology. Presented at MCEP/OhCEP Ultrasound Course, November 11, 2003.

Chang, J, Doyle CJ, Domeier RM, Sobanski C, McLean SA, Maio RF, Frederiksen SM. The practice of pain medication administration following EMS protocol change. Poster presentation at the 2003 Society of Academic Emergency Medicine Annual Meeting. Abstract published in Acad Emerg Med, 2003;10 (5), 444.

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**ABSTRACTS, PRELIMINARY COMMUNICATIONS, PANEL DISCUSSIONS AND  
SCIENTIFIC MEETINGS (CONT.)**

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Domeier, RM, Frederiksen, SM and Swor, RA. Pre-hospital clinical findings associated with spinal cord injury. Poster presentation at the National Association of EMS Physicians Annual Meeting, Panama City Beach, Florida, January 16-18, 2003. NAEMSP 2003 Abstract 2003;7:175.

Domeier RM. The feasibility of pain measurement in the pre-hospital setting. Oral presentation at the Society for Academic Emergency Medicine Annual Conference, Boston, MA, May 30, 2003.

Doyle C. Community planning for bioterrorism. Poster presentation at the World Association of Disaster and Emergency Medicine, Melbourne Australia, 2003.

Doyle C. Regional disaster planning. Poster presentation at Michigan Department of Community Health Leadership Meeting on Disaster Planning, Lansing Michigan, 2003.

Harmon N, Swor RA, Compton S, Jackson RE, Zalenski R, Domeier RM, Pascual RG. Pre-911 delay affects survival after out-of-hospital cardiac arrest. Ann Emerg Med (ACEP Research Forum Abstract) 2003;42:S93.

Mitchiner JC. Preparing the painter's pallet: Collaboration between a QIO and emergency physicians in a community-acquired pneumonia quality improvement project. Abstract presented at the American Health Quality Association 2003 Tri-Regional Conference, St. Pete Beach, Florida, June 12, 2003.

Mitchiner JC. Emergency department quality improvement project. Presented at the American Health Quality Association 2003 QualityNet Conference, Hunt Valley, MD, September 16, 2003.

Mitchiner JC. Collaboration between emergency physicians and a QIO in a community-acquired pneumonia Project. Presented at the American Health Quality Association 2003 QualityNet Conference, Hunt Valley, MD, September 16, 2003.

Mitchiner J. Quality improvement for AMI in a community hospital. Oral presentation at the MPRO Quality-Expo, Treetops Resort, Gaylord, MI, October 30, 2003.

Mitchiner J. EMTALA Update 2003. Presented at Huron Valley Hospital, January 21, 2003.

Mitchiner J. EMTALA Update 2003. Presented at the MPRO Regional Meeting, Grand Rapids, MI, March 31, 2003.

Mitchiner J. EMTALA Update 2003. Presented at the MPRO Regional Meeting, Marquette General Hospital, April 4, 2003.

Smith R. Use of spiral CT angiogram to replace ventilation-perfusion scan or pulmonary angiogram in strategies for the diagnosis of pulmonary embolism: a cost effectiveness analysis. Presented at the Society for Academic Emergency Medicine Annual Meeting, San Antonio, TX, May 2003.

Smith R. Long term mortality in stroke patients treated with rt-PA by community physicians compared NINDS Physicians. Presented at the American Heart Association International Conference on Stroke and Cerebrovascular Disorders, San Antonio, TX, May 2003.

Smith R. Higher diagnostic resource utilization in rt-PA treated patients at a university hospital compared to a community-teaching hospital. American Heart Association International Conference on Stroke and Cerebrovascular Disorders, San Antonio, TX, May 2003.