

## **Brian Mahoney, MD**

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### **Current Professional activities/Committees/Society Memberships**

#### **Professional Activities**

Advanced Cardiac Life Support Basic and Advanced Provider  
Advanced Cardiac Life Support Instructor  
Advanced Trauma Life Support Provider  
Advanced Trauma Life Support Instructor  
Advanced Trauma Life Support Affiliate Faculty for Minnesota  
American Board of Emergency Medicine Panel, Senior Examiner  
Advanced Pediatric Life Support Provider  
Advanced Pediatric Life Support Instructor  
Consultant, Annals of Emergency Medicine

#### **Committees**

Ambulance Medical Directors Retreat Planning  
Medical Director's Subcommittee of Medical Standard's Committee, Chair  
Inver Hills College Emergency Medical Services Advisory Council  
Hennepin County EMS Advisory Council

#### **Society Memberships**

Fellow, American College of Emergency Physicians  
Minnesota ACEP  
Hennepin County Medical Society  
Minneapolis Medical Research Foundation  
Society of Academic Emergency Medicine

#### **Scholarly Activities**

##### **Grants**

Mahoney, BD, Site Medical Investigator National Emergency X-ray Utilization (NEXUS) Group, in Hoffman, JR, Mower, WR, Wolfson, AB, et al for the National Emergency X-Radiography Utilization Study Group, "Validity of a Set of Clinical Criteria to Rule Out Injury to the Cervical Spine in Patients With Blunt Trauma," New England Journal of Medicine, V3:2, pp 94-99, July 13, 2000. \$45,000.

Mahoney, BD, Site Medical Director National Cooperative Study National Emergency X-ray Utilization Group (NEXUS), "Selective Computed Head Tomography," 2000, \$45,000.

Mahoney, BD, Lappe, M, McGill, J, "Use of the Tracheal Tube Introducer in a Paramedic Ambulance Service," \$16,000, Metropolitan 911 Board EMS Regional Grants, 2000.

Mahoney, BD, Principal Investigator, "Public Access Defibrillation Trial – Early Access to Defibrillation for Victims of Out-of Hospital Cardiac Arrest", National Heart Lung and Blood Institute, \$200,000.

Fringer, RC, Mahoney, BD, "Comparison of CPAP to Conventional Methods of Ventilation for Prehospital Treatment of Significant Respiratory Distress," \$15,000, Metropolitan 911 Board EMS Regional Grants, 2003.

Mahoney, BD, "Value of Pre-Arrival Instructions Dispatch Life Support," \$22,000, Metropolitan 911 Board EMS Regional Grants, 2003

Mahoney, BD, Principal Investigator in Lurie, Keith, "The RESQ Trial," NHLB award 2/1/05 – 1/31/06  
Grant Number 2 R44 HLO65851-03, \$600,000 Minneapolis Site

## **Publications**

Mahoney, BD, Site Medical Investigator National Emergency X-ray Utilization (NEXUS) Group, in Hoffman, JR, Mower, WR, Wolfson, AB, et al for the National Emergency X-Radiography Utilization Study Group, "Validity of a Set of Clinical Criteria to Rule Out Injury to the Cervical Spine in Patients With Blunt Trauma," *New England Journal of Medicine*, V3:2, pp 94-99, July 13, 2000.

Kamper, M, Mahoney, BD, Nelson, S, Peterson, J, "Feasibility of Paramedic Treatment and Referral of Minor Illnesses and Injuries", *Prehospital Emergency Care*, V5:4, October/December, 2001, pp 371-378.

Mahoney, BD, Site Medical Investigator National Emergency X-ray Utilization (NEXUS) Group, in Mower, WR, Hoffman, JR, Pollack, CV, et al, "Use of Plain Radiography to Screen for Cervical Spine Injuries," *Annals of Emergency Medicine*, 38:1, pp 1-7, July, 2001.

Mahoney, BD, Site Medical Investigator National Emergency X-ray Utilization (NEXUS) Group, in Lowery, DW, Wald, MM, Browne, BJ, et al, "Epidemiology of Cervical Spine Victims," *Annals of Emergency Medicine*, 38:1, pp 12-16, July, 2001.

Mahoney, BD, Site Medical Investigator National Emergency X-ray Utilization (NEXUS) Group, in Pollack, CV, Hendey, GW, Martin, DR, "Use of Flexion-Extension Radiographs of the Cervical Spine in Blunt Trauma," *Annals of Emergency Medicine*, 38:1, pp 8-11, July, 2001.

Mahoney, BD, Site Medical Investigator National Emergency X-ray Utilization (NEXUS) Group, in Goldberg, W, Mueller, C, Panacek, E, et al, "Distribution and Patterns of Blunt Traumatic Cervical Spine Injury," *Annals of Emergency Medicine*, 38:1, pp 17-21, July, 2001.

Mahoney, BD, Site Medical Investigator National Emergency X-ray Utilization (NEXUS) Group, in Panacek, E, Mower, WR, Holmes, JF, et al, "Test Performance of the Individual NEXUS Low-Risk Clinical Screening Criteria for Cervical Spine Injury," *Annals of Emergency Medicine*, 38:1, pp 22-25, July, 2001.

Mahoney, BD, Site Medical Investigator National Emergency X-ray Utilization (NEXUS) Group, in Viccellio, P, Simon, H, Pressman, BD, et al, "A Prospective Multicenter Study of Cervical Spine Injury in Children," *Pediatrics*, 108:2, pp 1-6, August, 2001.

Hick, JL, Mahoney, BD, Lappe, M, "Prehospital Sedation with Intramuscular Droperidol," *Prehospital Emergency Care*, V5:4, October / December, 2001, pp. 391-394.

Mahoney, BD, "Trauma and Safety," *Audio Digest Family Practice*, V49:37, October 7, 2001.

Ho, JD, Conterato, M, Mahoney, BD, Miner, JR, Benson, JL, "Successful Patient Outcome after Field Extremity Amputation and Cardiac Arrest," *Prehospital Emergency Care*, January – March, 2003, V7:1, pp 149-153.

Mower, WR, Hoffman, JR, Herbert, NEXUS II Investigators. National Emergency X-Radiography Utilization Study, "Developing a clinical decision instrument to rule out intracranial injuries in patients with minor head trauma: methodology of the NEXUS II investigation," *Annals of Emergency Medicine*, 40(5):505-14, 2002, Nov.

Mahoney, BD, Principal Investigator, "Public Access Defibrillation Trial – Early Access to Defibrillation for Victims of Out-of Hospital Cardiac Arrest", PAD Steering Committee, 1999-2001.

The PAD Trial Investigators, "The Public Access Defibrillation (PAD) trial: study design and rationale," Resuscitation, 56(2):135-47, 2003, Feb.

Mossesso, VN Jr, Brown, LH, Greene, HL, et al The PAD Trial Investigators, "Accepting the challenge of conducting research using the emergency exception from informed consent: The Public Access Defibrillation (PAD) Trial Experience. Resuscitation, 2004; 61:29-36.

Sayre MR, Craven RA, Daya M, et al The PAD Trial Investigators, "Measuring survival rates from sudden cardiac arrest: the elusive definition. Resuscitation, 2004, 62:25-34.

The Public Access Defibrillation Trial Investigators, "Public-Access Defibrillation and Survival after Out-of-Hospital Cardiac Arrest," NEJM, 351;7, August 12, 2004.

The PAD Trial Investigators, "Methodological Design for Economic Evaluation in Public Access Defibrillation Trial, Resuscitation, 2004, in press.

Richardson LD, Gunnels MD, Groh WJ, The PAD Trial Investigators, Annals of Emergency Medicine, 2004, in press.

Compton S, Nafziger SD, Brown LH, The PAD Trial Investigators, "Internet-based self-instruction for CPR and AED refresher training: Lessons for layperson defibrillation programs from the Public Access Defibrillation Trial (PAD), Annals of Emergency Medicine, 2004, in press.

### **Book Chapters**

Mahoney, BD, "Spinal Cord Injuries," In Harwood-Nuss, Linden, et al editors, The Clinical Practice of Emergency Medicine, Third Edition, JB Lippincott, Williams and Wilkins, Philadelphia, 2000.

Mahoney, BD, "Spinal Cord Injuries," In Wolfson, et al editors, The Clinical Practice of Emergency Medicine, Fourth Edition, JB Lippincott, Williams and Wilkins, Philadelphia, 2004.

### **Posters/Abstracts**

Mahoney, BD, Lappe, MA, McGill, J, "Use of the Tracheal Tube Introducer in a Paramedic Ambulance Service," Prehospital Emergency Care, January/March, 2002, 6:1, pp 143.

### **National Presentations**

National Association of EMS Physicians 2002 Annual Meeting, Tucson Arizona, January 11, 2002, "Use of the Tracheal Tube Introducer in a Paramedic Ambulance Service."