

Michelle Biros, MS, MD

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Current Professional Activities, Committees, Society Memberships

Professional Activities

American College of Emergency Physicians

Society for Academic Emergency Medicine

American Medical Association

Minnesota Medical Association

Hennepin County Medical Association

The Neurotrauma Society

Physicians for Social Responsibility

Appointments/Committees

Professor (T), University of Minnesota, Department of Emergency Medicine

Associate Professor, University of Minnesota, Department of Emergency Medicine

Admission Committee, University of Minnesota, School of Medicine

Co-Chair, MMRF Gala for Emergency Services

Chair, Great Saves! Emergency Medicine Educational Conference

Co-Director, Research Associate Program

Research Director, Department of Emergency Medicine, Hennepin County Medical Center and University of Minnesota

Chair, Great Saves! Emergency Medicine Educational Conference

Research Director, Department of Emergency Medicine, HCMC

Neurology/Neurosurgery/Crisis Intervention Center Departmental Liaison

Emergency Medicine Fellowship Coordinator

MN Acep Education Committee

Item Writer, American Board of Emergency Medicine

SAEM, Medical Student Virtual Advisor

AHRQ Grant Review Section Member, SEP: Patient Safety

SAEM Nominating Committee

Board of Directors, Foundation for Education and Research in Neurologic Emergencies (FERNE)

Associate Editor, *Rosen's Emergency Medicine 6th Edition* (2005)

Editor in Chief, *Academic Emergency Medicine*

Scholarly Activities

Research Awards

Pfizer Research Award, Psychiatric Screening in ED Patients (PI), \$20,000

Viropharma, Pleconaril for Pediatric Colds (Site API), \$24,000

Bayer, Epidemiology of Human Bites (Site SPI), \$3,500

Viropharma, Pleconaril for Viral Meningitis (Site PI), \$3,000

Epidemiology of MRSA (Site PI), \$15,000

Emerging Infectious Diseases (Emerg ID Net) Pneumonia ml TB Screening (Site PI) \$17,000

Antibiotic-Prescribing Patterns (Site PI), \$3,000

Pyelonephritis, Emerging Antibiotic Resistance (Site PI), \$15,000

Lectures

Peds-EM Fellowship Conference, Maria Del Rey, CA March 2005
Navigating the Waters: CORD Academic Development course, Washington DC, March 2001: March 2002
Pediatric-Emergency Medicine Fellow's Conference, Baltimore, MD, March 2000
SAEM Annual Scientific Meeting, San Francisco, CA, May 2000
Pros and Cons of Peer Review: Emergency Medicine Pearls for the 21st Century, University of Cincinnati, September 2000
1st International Mediterranean Conference of Emergency Medicine, Stresa, Italy, September 2001
Southeastern SAEM Regional Scientific Meeting, New Orleans, March, 2001
SAEM Western Regional Research Forum, Portland, WA, April 2000
University of Massachusetts, Department of Emergency Medicine Grand Round, April 2001
Mid Atlantic SAEM Regional Scientific Meeting, Charlotte, March 2001
Navigating the Waters: CORD/SAEM Faculty Development Conference, March 2000
NAEMSP Research Agenda: Washington, June 2002 *Medical Research Without Consent: A National Debate*
1st Mediterranean Conference of Emergency Medicine, Stresa, Italy, September 2001 *Mentorship and Publication Ethics*
Peds – EM Fellows Conference, Dallas, February 2002
Peds - EM Fellows Conference, Los Angeles, March 2001 *Getting Started in Research*
All India EmCon, Mumbai, November 2004
St. John's Medical School, Bangalore, India, February 2001
All Israeli Emergency Medicine Conference, Tel Aviv, Israel, August 2000
Navigating the Waters: CORD/SAEM Faculty Development Conference, March 2000
SAEM Annual Meeting, Orlando, Florida, May 2004
PECARNS Planning Meeting, San Francisco, October 2002
SAEM Annual Meeting, San Francisco, CA, May 2000
South Dakota ACEP Mid Winter Meeting, Rapid City, March, 2001
St. John's Medical School, Bangalore, India, February 2001

Original Research Presentations

Incidence of Hunger in Non-English Speaking Populations
SAEM, May 2003
Health Care Utilization by Chronic Inebriates SAEM Annual Scientific Meeting, Atlanta, May 2001
Predictors of Violence and Aggression in Male ED Patients SAEM Annual Scientific Meeting, San Francisco, May 2000

Clinical Presentations

University of Rochester, Department of Emergency Medicine, Grand Rounds, September 2002, *Medical Ethics*
South Dakota ACEP Midwinter Meeting, Rapid City, March 2001, *Errors in Emergency Medicine*
Minneapolis Emergency Medicine Forum (MEMF), Minneapolis, November 2000, *Errors in Emergency Medicine*

Grief and Death Telling

Hennepin County Medical Center, All Resident Core Content, Minneapolis, MN, January 2005

Regions Hospital, All Resident Core Competency Conference, Saint Paul, MN, March 2005
Regions Hospital, Department of Emergency Medicine, August 2001
HCMC Department of Emergency Medicine, October 2002

Minor Head Trauma

Minnesota ACEP Summer Education conference, Brainerd, August 2002
Minnesota Academy of Family Practice, Minneapolis, May 2001
Schneider Hospital for Children, Tel Aviv, Israel, August 2000
Eastern Carolina Department of Emergency Medicine, Annual Research Day, June 2000
Rice Memorial Hospital, Willmar, Minnesota, Grand Rounds, June 2000
2nd Annual Trauma Conference, Jacobi Medical Center, New York, May 2000
Rocky Mountain Winter Conference, Emergency Medicine, Copper Mountain, Colorado, February 2005

Pediatric Airway Management

Pediatric Puzzles, St. Cloud, November 2000

Medical Legal Aspects of EM Care

Minnesota Association of Women in Criminal Justice, March 2000

Textbooks

Biros MH, Sterner S, Vogel EC (eds): *Handbook of Urgent Care Medicine*, 2nd Edition, Hanley and Belfus, Philadelphia, 2002

Textbook Chapters

Biros MH, Heegaard WG: "Head Trauma" in Marx JA, et al., Rosen's *Emergency Medicine Concepts and Clinical Practices 5th Edition*, Mosby, 2002; 6th Edition, 2006

Biros MH: "Minor Surgical Trauma" in Biros, Sterner (eds): *Handbook of Urgent Care Medicine*, Aspen Publications, Rockville, MD, 1990; 2nd Edition, 2002

Biros MH: "Urgencies of the Oropharynx" in Biros, Sterner (eds): *Handbook of Urgent Care Medicine*, Aspen Publications, Rockville, MD, 1990; 2nd Edition, 2002

Journals (Refereed)

Miner JR, Bachman A, Kosman L, Teng B, Heegaard W, Biros MH, Assessment of the onset and persistence of amnesia during procedural sedation with propofol, *Academic Emergency Medicine* 2005 12(6):491-6

Biros MH, Hoffman PL, Resch K, The prevalence and perceived health consequences of hunger in emergency department patient populations, *Academic Emergency Medicine*, 2005 12(4):310-7

Miner J, Biros MH, Seigel T, Ross K, The utility of the bispectral index in procedural sedation with propofol in the emergency department, *Academic Emergency Medicine*, 2005 12(3):190-6

Miner J, Martel M, Meyer M, Reardon R, Biros MH, Procedural sedation of critically ill patients in the emergency department, *Academic Emergency Medicine* 2005 12(2):124-8

Haug E, Miner J, Dannehy M, Seigel T, Biros M, Bispectral electroencephalographic analysis of head-injured patients in the emergency department, *Academic Emergency Medicine* 2004 (4):349-52

Biros MH, Adams JG, Cone DC, Executive summary: disparities in emergency health care; *Academic Emergency Medicine* 2003 10(11):1153-4

Biros MH, Research without consent: current status, 2003 *Annals of Emergency Medicine* 2003 42(4):550-64

Miner JR, Biros MH, Krieg S, Johnson C, Heegaard W, Plummer D, Randomized clinical trial of propofol versus methohexital for procedural sedation during fracture and dislocation reduction in the emergency department, *Academic Emergency Medicine* 2003 10(9):931-7

Miner JR, Biros MH, Heegaard W, Plummer D, Bispectral electroencephalographic analysis of patients undergoing procedural sedation in the emergency department, *Academic Emergency Medicine* 2003 10(6):638-43

McClure KB, Delorio NM, Gunnels MD, Ochsner MJ, Biros MH, Schmidt TA, Attitudes of emergency department patients and visitors regarding emergency exception from informed consent in resuscitation research, community consultation, and public notification, *Academic Emergency Medicine*, 2003 10(4):352-9

Biros MH, Filtering out the noise, *Academic Emergency Medicine* 2003, 10:413-4

Chase PB, Biros MH, A retrospective review of the use and safety of droperidol in a large, high-risk, inner-city emergency department patient population, *Academic Emergency Medicine*, 2002, 9(12):1402-10

Adams JG, Biros MH, The elusive nature of quality, *Academic Emergency Medicine*, 2002, 9(11):1067-70

Biros MH, Confessions of an ultrasound groupie, *Academic Emergency Medicine*, 2002 9(8):829-31

Thornquist L, Biros MH, Olander R, Sterner S: Health Care Utilization by Chronic Inebriates, *Academic Emergency Medicine*, 2002: 9(4);300-308

Bacaner N, Kinney T, Biros MH, et. al., Predictors of Violence in Adult Male ED Patients *Academic Emergency Medicine* 2002: 9(2): 120-129

Biros MH, Adams JG, Reflections on resilience, *Academic Emergency Medicine* 2002; 9(3):214-5

Biros MH, Heegaard W, Prehospital and Resuscitative Care of the Head-Injured Patient, *Curr Opin Crit Care*. 2001; 7(6):444-9 Review

Mower WR, Biros MH, Talan DA, Moran GJ, Ong S, Selective tomographic imaging of patients with new-onset seizure disorders, *Academic Emergency Medicine*, 2002 9(1):43-7

Miner JR, Heegaard W, Mapes A, Biros MH, Presentation, time to antibiotics, and mortality of patients with bacterial meningitis at an urban county medical center. *J Emerg Med.* 2001 21(4):387-92

Adams JG, Biros MH, The endangered safety net: establishing a measure of control. *Academic Emergency Medicine* 2001 8(9):904-6

Biros MH, Adams JG, AEM-state of the journal, 2001. *Academic Emergency Medicine.* *Academic Emergency Medicine*, 2001: 8(9):904-6

Miner JR, Fish SJ, Smith SW, Biros MH, Droperidol vs. prochlorperazine for benign headaches in the emergency department. *Academic Emergency Medicine*, 2001: 8(9):873-9

Rockswold SA, Rockswold GL, Vargo J, Erickson CA, Sutton RL, Bergman TA, Biros MH, Effects of hyperbaric oxygenation therapy on cerebral metabolism and intracranial pressure in severely brain injured patients. *J Neurosurg.* 2001 94(3):403-11

Biros MH: The education of researchers-big brother, watching. *Ann Emerg Med.* 2001; 37(3):341-4

Vincent C, Simon R, Sutcliffe K, Adams JG, Biros MH Wears RL: Errors conference: executive summary. *Academic Emergency Medicine.* 2000;7(11):1180-2.

Biros MH, Adams JG, Wears RL: Errors in emergency medicine: a call to action. *Academic Emergency Medicine.* 2000; 7(11):1173-4.

Biros MH: The truth behind my CV. *Academic Emergency Medicine*, 2002;9(5): 351-3

Marx JB, Biros MH: Who is at Low Risk after Head or Neck Trauma? *NEJM* 2000; 343 (2): 138-140

Knopp RK, Biros MH, White D, Wackerle JF: The Uninsured: Emergency Medicines Challenge to Our Political Leaders. *Academic Emergency Medicine* 2000; 7(3): 276-277

Biros MH: Reforming a Solitary Passion. *Academic Emergency Medicine* 2000; 7(5): 421-424

Abstracts

Miner JR, Friewald S, Haug E, Biros MH, Bispectral electroencephalogram analysis of pharmacologically paralyzed patients in the emergency department, *Annals of Emergency Medicine*, 2004 43(2):293

Miner JR, Bursell B, Smith S, Evans C, Biros MH, Sumatriptan for the treatment of benign headaches in the emergency department, *Academic Emergency Medicine*, 2004 11: 541-a

Miner JR, Huber D, Heegaard W, Biros, MH, Moderate vs. deep procedural sedation for fracture and dislocation reduction in the emergency department, *Academic Emergency Medicine* 2004 11: 488

Gaetz A, Miner JR, Biros MH, Breath alcohol concentration, bispectral index, and a standardized scale as predictors of observation time for intoxicated patients, *Academic Emergency Medicine* 2004 11:468-b-469-b

Martel ML, Miner JR, Sterzinger AP, Clinton JE, Biros MH, Droperidol, ziprasidone, and midazolam for sedation of acute undifferentiated agitation in the emergency department: a randomized, double-blind trial, *Academic Emergency Medicine*, 2004 11: 450

Ernst AA, Weiss SJ, Nick TG, Iserson K, Biros MH, Approval of minimal-risk waiver of informed consent and exception from informed consent (final rule) studies at IRBs nationwide, *Academic Emergency Medicine* 2004 11: 441-a

Biros MH, Adams JG, Cone DC, Executive summary: disparities in emergency health care, *Academic Emergency Medicine*, 2003 10: 1153-1154

Haug E, Miner JR, Dannehy M, Biros MH, Bispectral analysis of head injured patients as a predictor of traumatic brain injury, *Academic Emergency Medicine*, 2003 10: 439

Fringer R, Miner JR, Dombeck T, Seigel T, Ling L, Biros MH, Bispectral EEG analysis of acute overdose patients, *Academic Emergency Medicine*, 2003 10: 439-40

Miner JR, Kirven K, Biros MH, The utility of the bispectral index in procedural sedation in the emergency room, *Academic Emergency Medicine* 2003 10:440

Martel M, Miner JR, Sufka K Fringer R, Clinton J, Biros MH, Adverse events resulting from the discontinuation of prehospital droperidol use, 2003 10:450

Martel M, Miner JR, Lashkowitz S, Danahy M, Clinton J, Biros MH, QT prolongation and cardiac arrhythmias associated with droperidol use in critical emergency department patients, 2003 10:510-1

Miner JR, McCoy C, Biros MH, A standardized intoxication scale vs breath ethanol level as a predictor of observation time in the emergency department, 2003 10:520

Biros MH, Resch K, Hoffman P, Prevalance of hunger and its effects on English and Spanish speaking emergency department patients, 2003 10:549

Miner JR, Biros MH, Krieg S, Johnson C, Heegaard W, Plummer D, Randomized clinical trial of propofol versus methohexital for procedural sedation during fracture and dislocation reduction in the emergency department, *Academic Emergency Medicine*, 2003 10: 931-7

Biros MH, Resch K, Hoffman P, Prevalence of hunger and its effects on English and spanish speaking emergency department patients, *Academic Emergency Medicine*, 2003 10: 549-a

Hoffman P, Biros MH, Kobak K: Unsuspected Psychiatric Illness and Suicidal Ideation in ED Patients. *Academic Emergency Medicine* 2002; 9(5): 390-391.

Chase P, Biros MH: Use and Safety Profile of Droperidol in ED Patients. *Academic Emergency Medicine* 2002; 9(5): 417.

Miner J, McCoy C, Biros MH: Evaluation of Intoxicated Patients Using a Standardized Intoxication Scale. *Academic Emergency Medicine* 2002; 9(5): 536.

Miner J, Haug E, Friewald S, Biros MH: Evaluation of Bispectral EEG Analysis and Recal in Paralyzed Intubated Patients. *Academic Emergency Medicine* 2002; 9(5): 405-406

Smith S, Martel M, Biros MH, Zimmerman M, Chase P: QT Lengthening after Parenteral Droperidol Administration. *Academic Emergency Medicine* 2002; 9(5): 374-345.

DeIorio N, McClure K, Gunnels M, Ochsner M, Biros MH, Schmidt T: Attitudes and Knowledge of ED Patients and Visitors Regarding Waiver of Consent in Resuscitation Research. *Academic Emergency Medicine* 2002; 9(5): 383.

McClure K, DeIorio N, Gunnels M, Ochsner M, Biros MH, Schmidt T: Waiver of Consent in Research: Community Consultation and Notification. *Academic Emergency Medicine* 2002; 9(5): 440-441.

Thornquist L, Biros MH, Sterner S, Olander R: Health Care Utilization by Chronic Inebriates, *Academic Emergency Medicine* 2001; 8(5): 485.

Bacaner N, Biros MH, Kinney TA: Predictors of Violence in Male Perpetrators. *Academic Emergency Medicine* 2000; 7(5): 491.