

National Organizations

American College of Emergency Physicians	1987-present
Fellow, American College of Emergency Physicians	1994-present
Society of Academic Emergency Medicine	1987-present

Oral Examiner

American Board of Emergency Medicine	1999- present
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Awards

- Best Teacher Award
 - 2007
 - 1998
 - 1993
- Top Peer Reviewer, Annals of Emergency Medicine, 2006. Awarded April 2007.
- Top Peer Reviewer, Annals of Emergency Medicine, 2007. Awarded January 2008.
- Outstanding Reviewer 2006, Academic Emergency Medicine. Awarded May 2007.
- Outstanding Reviewer 2005, Academic Emergency Medicine. Awarded May 2006.

Editorial Reviewer

- Senior Reviewer, Annals of Emergency Medicine appointed 2008
- Annals of Emergency Medicine
 - Cardiology, Respiratory, Toxicology 2005-present
- Academic Emergency Medicine
 - Cardiology, Respiratory, Toxicology 2005-present

Publications

Book

Smith SW (Editor-in-Chief); Zvosec DL (Senior Ed.); Henry T, Sharkey S (Associate Eds.). *The ECG in Acute MI: An Evidence-Based Manual of Reperfusion Therapy*. April 2002. Lippincott, Williams and Wilkins, Philadelphia. 370 pp. Author: Chapters 2-38.

Editing

Smith SW. Editor. 16 chapter section on **Acute Coronary Syndromes** in *Critical Decisions in Emergency and Acute Care Electrocardiography*. William Brady, lead editor. Blackwell Publishing. Forthcoming.

Committees and Administrative duties

Utilization Management Advisory Committee	2005-present
Institute for Clinical Systems Improvement (ICSI) Core Group	
Hennepin County Medical Center Liaison	2005-present
ICSI asthma implementation group	2005-present
Cardiac Short Stay Unit Observation Committee	2005-present
Clinical Pathways Committee, HCMC ED	2005-present
Faculty Council, HCMC ED	1991-present
Cardiology Quality Assurance	1999-present

Acute MI task force	2001-present
Cardiology Liaison	1997-present
Laboratory Liaison	1997 to present
Director, Emergency Medicine Journal club	1997 to present
Co-director, Emergency Medicine/Cardiology conference	1997 to present

Chapters written

1. In the forthcoming textbook: *Critical Decisions in Emergency and Acute Care Electrocardiography*. William Brady and JD Truwit, editors. Blackwell Publishing. (**Smith SW** as editor of section on Acute Coronary Syndromes)

1. Stellflug SJ, Holger JS, **Smith SW**. Chapter 13. What is the role of the ECG in the patient with suspected Acute Coronary Syndrome?
 2. **Smith SW**. Larson DM. Chapter 14. What Pseudoinfarction Patterns Mimic ST elevation Myocardial Infarction?
 3. Bertog C, **Smith SW**. Chapter 15. What ECG changes might myocardial ischemia cause other than ST segment elevation or Q waves, and what are the differential diagnoses of these changes?
 4. Connelly MD, Holger JS, **Smith SW**. Chapter 16. What is a hyperacute T wave?
 5. Connelly MD, Holger JS, Bertog C, **Smith SW**. Chapter 19. What further diagnostic adjuncts to the standard 12-lead ECG may help to diagnose Acute Coronary Syndrome?
 6. **Smith SW**. Larson DM. Chapter 21. What QRS complex abnormalities result in ST segment elevation that may mimic or obscure AMI?
 7. Stellflug SJ, Holger JS, **Smith SW**. Chapter 22. What are the electrocardiographically silent areas of the heart?
 8. Brady WJ, Burt D, Ghaemmaghnam C, O'Connor R, **Smith SW**. Chapter 24. What are the ECG indications for acute reperfusion therapy (fibrinolysis and PCI)?
 9. Whitwam W, **Smith SW**. Chapter 26. Does localization of the anatomic segment/identification of the infarct-related artery affect early care?
2. Zvosec DL, **Smith SW**. *GHB intoxication*. UpToDate, online Medical Reference.
 3. Zvosec DL, **Smith SW**. *GHB addiction and withdrawal*. UpToDate, online Medical Reference.
 4. **Smith SW**. *GHB intoxication, addiction, and withdrawal*. Textbook of Emergency Medicine. Harwood-Nuss, Editor. Forthcoming.
 5. **Smith SW**, Whitwam W. *The ECG in Acute Coronary Syndromes*. *Emergency Medicine Clinics of North America* 24(1):53-89; February 2006 (Issue entitled: The ECG in Emergency Medicine).
 6. **Smith SW**, Whitwam W. *Acute Coronary Syndromes* in Chan, Brady, Harrigan, Ornato, Rosen (Eds.); *The EKG in Emergency Medicine and Acute Care*. Elsevier/Mosby, 2004.
 7. **Smith SW** et al. *The ECG in Acute MI: An Evidence-Based Manual of Reperfusion Therapy*. Chapters 2-38.
 8. **Smith SW**. *Hand Injuries*. In Ruiz, Cicero (Eds.) *Emergency Management of Skeletal Injuries* (chapter, pp. 339-395). Mosby, 1995.

Peer-Reviewed Publications

1. Apple FS, **Smith SW**, Pearce LA, Ler R, Murakami MM, Benoit M, Levy C, Dumas C, Paul J. Use of the bioMerieux VIDAS® troponin I ultra assay for the diagnosis of myocardial infarction and detection of adverse events in patients presenting with symptoms suggestive of acute coronary syndrome. *Clinica Chimica Acta* 390 (1-2):72-75, April 2008.
2. **Smith SW**, Heegaard W, Bachour FA, Brady WJ. Acute myocardial infarction with left bundle-branch block: disproportional anterior ST elevation due to right ventricular myocardial infarction in the presence of left bundle-branch block. *Am J Emerg Med* March 2008; 26:342-7.
3. Zvosec DL, **Smith SW**, Litonjua MR, Westfal REJ. Physostigmine for GHB coma: Inefficacy,

- Adverse Events, and Review. *Journal of Toxicology/Clinical Toxicology* 45:261-265, 2007.
4. Miner JR, **Smith SW**, Biros M. Sumatriptan for the Treatment of Undifferentiated Primary Headaches in the ED. *American Journal of Emergency Medicine* 2007 Jan; 25(1):60-4.
 5. **Smith SW**. Upwardly Concave ST Segment Morphology Is Common in Acute Left Anterior Descending Coronary Artery Occlusion. *Journal of Emergency Medicine* 31(1); July 2006
 6. **Smith SW**, Truitt C. Abnormal Head Computed Tomography after Iatrogenic Post-Myelogram Bacterial Meningitis. *Ann Emerg Med* July 2006.
 7. **Smith SW**. ST Segment Elevation Differs Depending on the Method of Measurement Academic Emergency Medicine. *Academic Emergency Medicine* 13(4):406-412, April 2006.
 8. Zvosec DL, **Smith SW**, Anderson D. Agitation is a common manifestation of GHB intoxication. *American Journal of Emergency Medicine* 23 (3):316-320, May 2005.
 9. **Smith SW**. T/QRS Amplitude Best Distinguishes Acute Anterior MI from Anterior Left Ventricular Aneurysm. *American Journal of Emergency Medicine* 23(3):279-287; May 2005.
 10. **Smith SW**, **Shah RR**, **Hunt JL**, **Herzog CA**. Bidirectional Ventricular Tachycardia Resulting From Herbal Aconite Poisoning. *Annals of Emergency Medicine* January 2005; 45(1):100-101 (Case Report).
 11. **Smith SW**, Tibbles CD, Apple FS, Zimmerman M. Outcome of Emergency Department Patients Discharged Home after a Normal Troponin I. *The Journal of Emergency Medicine* May 2004; 26(4):401-406.
 12. Waxman, DA, **Smith, SW**, Kontos, MC, Sgarbossa, EB, Gallagher, EJ. Beyond left bundle-branch block: looking for the acute transmural myocardial infarction. *Annals of Emergency Medicine* 39(1):95-96, January, 2002.
 13. Miner JR, Fish SJ, **Smith SW**, Biros MH. Droperidol vs. prochlorperazine for benign headaches in the emergency department. *Academic Emergency Medicine* 8(9):873-879, September 2001.
Cited in Journal Watch for Emergency Medicine 5(11), 2001.
 14. Zvosec DL, **Smith SW**, McCutcheon R, et al. Adverse events, including death, associated with the use of 1, 4-butanediol. *New England Journal of Medicine* 344(2):87-94, January 11, 2001.
Cited in Journal Watch for Emergency Medicine 5(3):22, 2001.
 15. **Smith SW**, Biros M. Relief of imminent respiratory failure from upper airway obstruction by use of helium-oxygen: a case series and brief review. *Academic Emergency Medicine* 6(9):953-956, September, 1999.
Cited in Journal Watch for Emergency Medicine 3(12), December 1999.
 16. Hick JL, **Smith SW**, Lynch MT. Metabolic acidosis in restraint-associated cardiac arrest: a case series. *Academic Emergency Medicine* 6(3):239-243, March 1999.
Featured in James Roberts' *InFocus, Emergency Medicine News* June, 1999 and in August 2007.
 17. **Smith SW**, Zvosec DL, Topliff AR, Setzer SC. Adverse events associated with ingestion of gamma-butyrolactone in Minnesota, New Mexico, and Texas, 1998-1999. *Morbidity and Mortality Weekly Report* 48(07):137-14, February 26, 1999. *Morbidity and Mortality Weekly Report* 48(07):137-14, February 26, 1999.
Also appeared in JAMA 281(11):979-980, March 17, 1999.
Cited in Journal Watch for Emergency Medicine 3(5):38, May 1999.
 18. **Smith SW**. Emergency physician-performed ultrasound-guided hip arthrocentesis. *Academic Emergency Medicine* 6(1):84-86, January 1999.

Recent Abstracts

1. Dodd KW. Aramburo L. Henry TD. **Smith SW**. Ratio of Discordant ST Segment Elevation or Depression to QRS Complex Amplitude is an Accurate Diagnostic Criterion of Acute Myocardial Infarction in the Presence of Left Bundle Branch Block. Abstract 551. *Circulation* October 2008;118 (18 Supplement):S_578.
2. Delavari, P. **Smith SW**, Apple FS. Rapid Rule Out of Myocardial Infarction With High Sensitivity Newer Generation Cardiac Troponin. *Annals of Emergency Medicine* 52(4 Suppl):S47, October 2008.
3. Miner JR, Petersen G, Byrd C. Clinton JC. **Smith SW**. The Relationship Between Near Infrared Spectroscopy and End Tidal Carbon Dioxide in Patients Presenting With Shock. *Annals of Emergency Medicine* 52(4 Suppl):S57-S58. October 2008.
4. **Smith SW**. Dolan BJ. Association of Urine Ketones and Specific Gravity With Anion Gap and Serum Carbon Dioxide in Vomiting Children. *Annals of Emergency Medicine* 52(4 Suppl):S76, October 2008.
5. DeVerna CJ, Ketchum JM. Camp-Rogers TR. **Smith SW**. Leffler JN. Strickl S. Leuthauser AD, Babcock C. Kurz MC. Electrocardiographic Determination of Culprit Artery Occlusion in Acute Inferior Myocardial Infarction. *Annals of Emergency Medicine* 52(4 Suppl):S117, October 2008.
6. Zvosec D. **Smith S**. Dyer J. Porrata T. Strobl A.Q. Preventable deaths associated with Gamma hydroxybutyrate (GHB) ingestion: 226 fatalities (Abstract 49). *Eur J Emerg Med*, October 2008; 15(5):304.
7. **Smith S**. Khalil A. Henry TD. R-wave Amplitude Distinguishes Early Repolarization from Subtle Anterior ST-Elevation Myocardial Infarction Better than ST Elevation. Validation of a Rule. *Eur J Emerg Med* October 2008;15(5):288.
8. Kurz M, **Smith SW**, Leuthauser A, Schmitt A Babcock C. Reciprocal ST-Segment Depression in Lead aVL In Identification of Acute Inferior Wall Myocardial Infarction and Its Association with the Culprit Artery. *Academic Emergency Medicine* 15(5 Suppl 1):S10, May 2008.
9. Rokos IC and the Regional STEMI Networks Collaborative (including **Smith SW**). Nine Independent Regional ST-Elevation Myocardial Infarction Networks Exceed D2B Alliance Benchmark. American College of Cardiology 2008 Best Poster Nominee. *Journal of the American College of Cardiology* March 11 2008; 51 (10 Suppl 1):A379. Abstract 1036-315.
10. Apple FS. **Smith SW**. Pearce LA. Kaczmarek JM. Murakami MA. Early Delta cTnI Concentrations Improve Predicting Risk of Adverse Events in Patients Presenting With Symptoms Suggestive of Acute Coronary Syndrome. American Association for Clinical Chemistry. Washington DC, July 2008.
11. Apple FS. **Smith SW**. Pearce LA. Kaczmarek JM. Murakami MA. Improved Diagnosis of Myocardial Infarction Using Delta cTnI Concentrations in Patients Presenting With Symptoms Suggestive of Acute Coronary Syndrome. American Association for Clinical Chemistry. Washington DC, July 2008.
12. Apple FS. **Smith SW**. Pearce LA. Murakami MA. Multiple Biomarker Utilization for Detection of Myocardial Infarction Based on Presentation Sample in Patients with Symptoms Suggestive of Acute Coronary Syndrome. *Circulation*, Oct 2007; 116(Suppl II): II_381. Abstract 1792.
13. Bachour FA. **Smith SW**. Hildebrandt D. Simegn M. Asinger R. Paramedic Prehospital Cath Lab Activation for STEMI, Without ECG Transmission, Dramatically Reduces Door To Balloon Time. *Circulation*, Oct 2007; 116(Suppl II): II_430. Abstract 1991.
14. Bachour FA. **Smith SW**. Hildebrandt D. Simegn M. Asinger R. Effect Of Prehospital Cath Lab Activation On Door To Balloon Time Of STEMI Patients Presenting During Normal Workday Hours vs. After Hours. *Circulation*, Oct 2007; 116(Suppl II): II_527 - II_528. Abstract 2403.
15. Zvosec DL. **Smith SW**. Porrata T. Strobl AQ. Dyer JE. Fatal motor vehicle collisions while Gamma hydroxybutyrate (GHB)-intoxicated. Proceedings of the Joint Annual Meeting of the International Council on Alcohol, Drugs, and Traffic Safety (ICADTS) and the International Association of Forensic Toxicologists (TIAFT), Seattle, WA, August 29, 2007.

16. Allegra P. **Smith SW**. Low Incidence of Pulmonary Embolism in Anticoagulated and Dialysis Patients: The Experience of an Urban Emergency Department (Abstract 420). *Annals of Emergency Medicine* October 2007; 50(3 Suppl):S132.
17. Hart D. **Smith SW**. Retrospective Validation of a Clinical Decision Rule to Safely Rule Out Subarachnoid Hemorrhage in Emergency Department Headache Patients (abstract 327). *Annals of Emergency Medicine* October 2007; 50(3 Suppl):S102-S103.
18. Apple FS, **Smith SW**, Pearce LA, Kaczmarek JM, Murakami MM, Vlaminck J, Meyers J, Kilburn BJ, DeSantis T, Uettwiller-Geiger D. Clinical and analytical validation of the Ortho-Clinical Diagnostics Second Generation VITROS Troponin I ES assay for the diagnosis of myocardial infarction and detection of adverse events in patients presenting with symptoms suggestive of acute coronary syndrome. *Clin Chem Suppl* 2007; *in press*.
19. Apple FS, **Smith SW**, Pearce LA, Ler R, Alex E, Murakami MM. Detection of adverse events in patients presenting with symptoms suggestive of acute coronary syndrome Utilizing the Bayer ADVIA Centaur TnI-Ultra assay. *Clin Chem Suppl* 2007; *in press*.
20. Apple FS, **Smith SW**, Pearce LA, Ler R, Murakami MM, Benoit M, Levy C, Paul J. Utilizing the bioMérieux Vidas Troponin I Ultra assay for the diagnosis of myocardial infarction and detection of adverse events in patients presenting with symptoms suggestive of acute coronary syndrome. *Clin Chem Suppl* 2007; *in press*.
21. Hildebrandt D. Bachour FA. Simegn M. **Smith SW**. Effect Of Workday Vs. After-Hours On Door To Balloon Time With Paramedic Prehospital Catheterization Laboratory Activation For STEMI, David Hildebrandt, Hennepin County Medical Center. *Academic Emergency Medicine* May 2007 Supplement.
22. **Smith SW**. Khalil A. Corrected QT Interval Distinguishes Early Repolarization From Subtle Anterior STEMI: Derivation Of A Rule. *Academic Emergency Medicine* May 2007 Supplement.
23. **Smith SW**. Khalil A. R-Wave Amplitude Distinguishes Early Repolarization From Subtle Anterior STEMI: Validation Of A Rule. *Academic Emergency Medicine* May 2007 Supplement.
24. **Smith SW**, Metzger AK, Kopitzke J, Clinton J, Lurie KG. Use of an Impedance Threshold Device in Hypotensive Patients in the Emergency Department. *Circulation. Supplement II, Vol. 114:18, 2006*.
25. Bock PJ. **Smith SW**. Droperidol for Conversion Disorder in the Emergency Department. Abstract 423. *Ann Emerg Med* October 2006;48(4 Suppl):S127.
26. Zvosec DL, **Smith SW**, Porrata T, Strobl AQ, Dyer J. Preventable deaths from Gamma hydroxybutyrate ingestion. Abstract 247. *Ann Emerg Med* October 2006;48(4 Suppl):S75.
27. Zvosec DL, **Smith SW**, Ladmer D. Gamma Hydroxybutyrate withdrawal syndrome in the Emergency Department: Clinical course and autonomic instability. Abstract 335. *Ann Emerg Med* October 2006;48(4 Suppl):S100.
28. **Smith SW**. Lathrop L. Bertog S. ST Elevation to S-Wave Ratio Best Identifies Anterior MI In The Presence of Left Bundle Branch Block. *Acad Emerg Med* May 2006.
29. **Smith SW**. Alemayehu M. Bachour FA. Paramedic Prehospital Cath Lab Team Activation for STEMI, Without ECG Transmission, Dramatically Reduces Door to Balloon Time. *Acad Emerg Med* 2006 13(5 Supplement 1): S14-S15.
30. Bock PJ. **Smith SW**. Becker C. Complications of Peripheral IV Placement in ED Patients Discharged To Home. *Acad Emerg Med* May 2006.
31. Zvosec DL, **Smith SW**, Porrata T, Haller C, Dyer J. Gamma hydroxybutyrate-related fatalities: 146 deaths. Abstract. *Journal of Toxicology/Clinical Toxicology* 2005;43(6):665.
32. Wiegand TJ, Zvosec DL, **Smith SW**. Use of propofol for severe GHB withdrawal: Two cases. Abstract. *Journal of Toxicology/Clinical Toxicology* 2005;43(6):665.
33. Zvosec DL, **Smith SW**, Litonjua MR. Physostigmine for gamma-hydroxybutyrate coma: Lack of efficacy and adverse events in 5 patients. Abstract. *Journal of Toxicology/Clinical Toxicology* 2005;43(6):674.
34. Zvosec DL. **Smith SW**. Acute Complications of Gamma Hydroxybutyrate Addiction. Abstract *Academic Emergency Medicine* 12(Suppl 5):13; May 2005.

35. **Smith SW.** Jackson E. Hanson K Bart B. Incidence of MI in ED Chest Pain Patients with a Recent Negative Stress Imaging Test. Abstract. *Academic Emergency Medicine* 12(Suppl 5):51; May 2005.
36. **Smith SW.** Khalil A. Heller K. Henry T. R wave Amplitude Distinguishes Early Repolarization from Subtle Anterior STEMI. Abstract. *Academic Emergency Medicine* 12(Suppl 5):132; May 2005