

# Utah EM Research News

Research News and Updates from the Division of Emergency Medicine, University of Utah

Fall 2008

## Residents, Faculty to Present Results of Observation Unit, Pain Research at ACEP

The division will be well-represented at this year's American College of Emergency Physicians Scientific Assembly in Chicago.

Joey Bledsoe, Michael Mallin, Dave Fosnocht, Eric Swanson, Troy Madsen, Phil Bossart, Kurt Bernhisel, and Steve Sugerman have had abstracts accepted to the national emergency medicine conference. Joey Bledsoe, Mike Mallin, and Dave Fosnocht will be presenting the abstracts.

Abstracts and session times are listed below. If you're going to be attending ACEP, be sure to make plans to visit the division's modified poster presentations:

### **Tuesday, October 28:**

#### **9:30-11:30 am**

**Bledsoe J**, Bossart P, Bernhisel K, Sugerman S, Madsen T. "Emergency Department Observation Unit Admission as an Alternative to Inpatient Admission for Trauma Activation Patients."

#### **1:00-2:30 pm**

**Mallin M**, Bledsoe J, Bossart P, Madsen T. "Rates of Positive Stress Testing Among Chest Pain Patients in an Emergency Department Observation Unit."

#### **2:30-3:30 pm**

**Bledsoe J**, Bossart P, Sugerman S, Bernhisel K, Cheng M, Mataoa T, Madsen T. "Appropriately Screened Geriatric Patients May Be Appropriate for an Emergency Department Observation Unit."

### **Tuesday October 28:**

#### **2:30-3:30 pm**

**Fosnocht DE**, Swanson ER. "Arrival and Discharge Pain Intensity in the Emergency Department.:"

**Fosnocht DE**, Chapman C, Donaldson GW. "Pain Intensity for Emergency Department Patients Following Discharge."

## Division to Host Western Regional Research Forum in Park City, January 30-31

The division will be hosting the Western Regional Research Forum, the annual meeting for the Western Region of SAEM, at Newpark Resort in Park City on January 30-31.

The forum provides an opportunity for junior faculty, residents, and medical students to present their research. It also features an ultrasound workshop, residency fair, and medical student forum.

The conference will be held at Newpark Resort, located at Redstone in Kimball Junction. For those looking for accommodations, rooms are available at the incredible price of \$99/night.

Make plans now to attend. Deadline for abstract submissions is Thursday, **December 4**. Abstracts will be submitted through the SAEM website and can be simultaneously submitted to the national SAEM meeting, to be held May 14-17, 2009, in New Orleans. Accepted submissions can be presented at both meetings.

Visit the website for more information:  
[http://www.emergencyresidency.com/index.php?option=com\\_content&task=view&id=80](http://www.emergencyresidency.com/index.php?option=com_content&task=view&id=80)

"Utah EM Research News" is published four times per year. Please contact Troy Madsen, division research director, at [troy.madsen@hsc.utah.edu](mailto:troy.madsen@hsc.utah.edu) with any news, comments, or suggestions.

## Faculty with Papers, Publications, Awards

Division faculty have had multiple recent publications, accepted papers, and awards.

### Published papers:

Manoguerra AS, Erdman AR, Woolf AD, Chyka PA, **Caravati EM**, Scharman EJ, Booze LL, Christianson G, Nelson LS, Cobaugh DJ, Troutman WG. Valproic acid poisoning: An evidence-based consensus guideline for out-of-hospital management. *Clin Toxicol (Phila)* 2008;46:661-676.

Ellington L, Matwin S, Jasti S, Williamson J, Crouch BI, **Caravati EM**, Dudley WN. Poison Control Center Communication and Impact on Caller Adherence. *Clin Toxicol (Phila)* 2008;46:105-109.

**Caravati EM**, Erdman AR, Christianson G, Nelson LS, Woolf AD, Booze LL, Cobaugh DJ, Chyka PA, Scharman EJ, Manoguerra AS, Troutman WG. Elemental mercury exposure: An evidence-based consensus guideline for out-of-hospital management. *Clin Toxicol (Phila)* 2008;46(1):1-21.

**Doyle GS, Taillac PP.** Tourniquets: a review of current use with proposals for expanded prehospital use. *Prehosp Emerg Care.* 2008 Apr-Jun;12(2):241-56.

Niemann JT, Rosborough J, **Youngquist S**, Lewis RJ, Phan QT, Filler S. The Proinflammatory Cytokine Response following Resuscitation in the Swine Model Depends on the Method of Ventricular Fibrillation Induction. *Acad Emerg Med.* 2008 Sep 8.

**Youngquist ST**, Shah AP, Niemann JT, Kaji AH, French WJ. A comparison of door-to-balloon times and false-positive activations between emergency department and out-of-hospital activation of the coronary catheterization team. *Acad Emerg Med.* 2008 Aug;15(8):784-7.

Kaji AH, Koenig W, Eckstein M, **Youngquist S**, Tadeo R, Niemann JT. The need for uniform definitions in the regionalized care of ST-segment elevation myocardial infarction. *Acad Emerg Med.* 2008 Aug;15(8):759-61.

Niemann JT, Rosborough JP, **Youngquist S.** Is the tumour necrosis factor-alpha response following resuscitation gender dependent in the swine model? *Resuscitation.* 2008 May;77(2):258-63.

### Honors/Awards:

**Marty Caravati** was awarded Fellow status in the American Academy of Clinical Toxicology (FAACT) at the NACCT meeting in Toronto, Canada on September 14, 2008.

**Eric Swanson** has been invited to participate in the 2<sup>nd</sup> International FARE Forum in Minneapolis, MN on October 22, 2008.

### In Press:

**Caravati EM**, Stromness JR, Crouch BI, Yarris JP, McKeown NJ, Horowitz BZ. Pediatric ingestion of ant bait gel results in arsenic toxicity. *Clin Toxicol.*

Ellington, L, Kennedy Sheldon L, Matwin, S, Smith, JA, Poynton, M, Crouch, BI, **Caravati, EM.** An Examination of Adherence Strategies and Challenges in Poison Control Communication. *J Emerg Nursing* 2008.

**Madsen T, Bossart P, Bledsoe J, Bernhisel K**, Cheng M, Mataoa T, Bartlett J, McKellar A, Rivas W, Quick N. Coronary Disease Patients Fail Observation Status at Higher Rates than Non-Coronary Disease Patients. *American Journal of Emergency Medicine.*

**Madsen T, Bledsoe J, Bossart P.** Appropriately Screened Geriatric Chest Pain Patients in an Observation Unit Are Not Admitted at a Higher Rate than Non-Geriatric Patients. *Critical Pathways in Cardiology.*

**McIntosh SE, Swanson ER, McKeone A, Barton ED.** Intubation Location in Air Medical Transport. Oct-Dec 2008 issue of *Prehospital Emergency Care.*

### Presentations:

**Swanson ER:** Where the Literature Stands. Transport Medicine Research Academy Pre-conference. Minneapolis, MN October 19, 2008.

**Swanson ER:** Getting Published in a Professional Forum. Association of Air Medical Services Air Medical Transport Conference (AMTC). Minneapolis, MN October 21, 2008.

**Swanson ER, McIntosh SE, Fosnocht DE, Barton ED:** The Intubating Laryngeal Mask Airway for Air Medical Airway Management. Accepted to the Air Medical Transport Conference (AMTC) Research Forum. Minneapolis Oct. 20.

Thomas KC, Redmond M, Thomsen G, Crouch BI, **Caravati** Acute respiratory failure and death associated with acrolein exposure during routine application. *Clin Toxicol* 2008;46:606. North Am Congress of Clin Toxicol. Toronto, CA, Sept 14.

Marshall SW, Crouch BI, **Caravati EM.** Lessons to be learned: A poison center's use of digital call recordings. *Clin Toxicol* 2008;46:624. Presentation at the North Am Congress of Clin Toxicology. Toronto, CA, September 2008.

Anderson KT, **Caravati EM, Seger CJ.** Serious toxicity in an infant due to ingestion of 1 mg risperidone. *Clin Toxicol* 2008;46:629. Presentation at the North American Congress of Clinical Toxicology. Toronto, CA, September 16, 2008.

Bennett H, Poynton M, Ellington L, Jasti S, Crouch B, **Caravati M.** Perceived severity of clinical effects from toxic exposures reported to a poison control center. *Clin Toxicol* 2008;46:6638. Presentation at the North American Congress of Clinical Toxicology. Toronto, CA, September 15, 2008.

Anderson KT, **Caravati EM, Dahl B, Crouch BI.** Effect of the AAPCC iron management guideline on the triage and outcome of children's multivitamin with iron ingestions reported to a poison control center. *Clin Toxicol* 2008;46:634. Presentation at the North American Congress of Clinical Toxicology. Toronto, CA, September 16, 2008.

**Caravati EM, Stromness JR, Crouch BI, Yarris JP, McKeown NJ, Horowitz BZ.** Pediatric ingestion of ant bait gel results in arsenic toxicity. *Clin Toxicol* 2008; 46:418. Euro Assoc of Poison Centers and *Clin Toxicol*, Seville, Spain, May 9, 2008.