USAAEM Pre-conference: Emerging Trends in Ultrasound and Trauma Care

Course Description
This course will provide an update on the care of the trauma patient, focusing on battlefield injury epidemiology, hemostatic and hypotensive resuscitation, wound management, and fluid and blood component therapy. New technologies for patient monitoring and assessment, hemostatic agents, and Novo-7 will be discussed. Attendees will learn to use ultrasound in the hypotensive patient, to assess endotracheal tube positioning, diagnose pneumothorax, obtain central and peripheral venous access, and assess for elevated intracranial pressure.

Credit Designation
AAEM designates this educational activity for a maximum of 3.75 AMA PRA Category I Credit(s). Physicians should only claim credit commensurate with the extent of their participation in the activity.

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Apply the latest updates in the care of the traumatically injured patient to patient care rendered in battlefield and austere environments.
2. Use emergency ultrasonography to improve the patient care provided in battlefield and austere environments.
3. Use the latest improvements in wound management for traumatic wounds in battlefield and austere environments.
4. Recognize similarities in the care provided by combat medics during the Vietnam War and today’s military providers.

Course Schedule - Sunday, March 1, 2009
1:00pm Welcome and Overview
1:05pm Combat Injury Epidemiology
1:20pm Ten Lessons Applied to Explosive Injuries
1:35pm Principles of Damage Control and Hypotensive Resuscitation
1:50pm Ultrasound Guided Assessment and Resuscitation of the Hypotensive Patient
2:05pm E-FAST: Ultrasound Diagnosis of Pneumothorax
2:20pm Break
2:30pm Ultrasound Guided Central and Peripheral Access
2:45pm Fluid, Novo-7, and Blood Component Therapy
3:00pm Ocular Ultrasound to Identify Elevated Intracranial Pressure
3:15pm Advanced Patient Monitoring in the Combat Environment
3:30pm Assessing Endotracheal Tube Position with Ultrasound
3:45pm Update on Hemostatic Agents & Bandages
4:00pm Case Scenarios and Panel Discussion
4:30pm Combat Medics: Then and Now
5:00pm Hands-On Session
6:00pm Adjourn

Faculty
Joe Lex, MD FAAEM
John Love, MD FAAEM
John McManus, MD
Joel Schofer, MD FAAEM