



Continuing
Medical
Education

TEXAS HEALTH RESEARCH & EDUCATION INSTITUTE

Update on Tactical Medicine Concepts and Controversies

Thursday, October 14, 2010

7:30 a.m. - 4:00 p.m.

Texas Health Presbyterian Hospital Dallas
Fogelson Forum Auditorium
8200 Walnut Hill Lane, Dallas, TX 75231

PROGRAM DIRECTORS:

Jeffrey S. Cain, M.D.
Alan Frankfurt, M.D.
Travis Hawkins, M.D.
Wes Taylor, D.V.M.

SPONSORED BY:



Conference Description

This conference will address those new and innovative interventions, products and techniques whose implementation at the point of wounding (POW) will allow for a more stable and viable patient upon arrival at the tertiary facility and, hence, improved long-term outcome. Though originally designed for the military theater, Tactical Combat Casualty Care (TCCC) concepts are rapidly being adopted within the civilian medical and law enforcement communities as they are asked to respond to terror incidents at home. Columbine High School, Virginia Tech and terror incidents in Russia and India are only a few examples of the world in which we live. This conference is as relevant to law enforcement (local and federal) and medical first responders as it is to the Soldiers and Marines on the battlefield. It is also relevant to physicians, nurses and other care providers, both civilian and military, who have a need for familiarity with current medical care techniques in the tactical environment.

Conference Objectives

At the end of the conference, participants should be able to:

- Describe emerging blast injury mechanism concepts that will impact casualty care at the point of wounding (POW).
- Discuss current treatment modalities used in the Southwest Asia theaters to address traumatic brain injury suffered as a result of an IED blast.
- Discuss how research will impact the care of the brain injured casualty on the battlefield at the POW to minimize the effect of secondary brain injury.
- Review the history of lyophilized blood product development - where we are and what the future looks like for such products.
- Review the indications for the lyophilized blood products as well as the dosage and mechanics of administration.
- Review data mined from the Joint Theater Trauma Registry (JTTR) on advanced airways interventions, particularly surgical airway (cricothyrotomy).
- Discuss the only scientifically validated triage system and its role in the prehospital setting.
- Discuss POW and casualty care implications of advanced airway interventions and long-term outcomes.
- Discuss future trauma concepts on how to bring successful advanced airway techniques to the battlefield.

Acknowledgments

This conference is being supported by the Texas Health Presbyterian Foundation. A complete listing of all support will be made available in the conference syllabus.

Conference Agenda

- 6:45 a.m. **Registration and Breakfast**
- 7:30 a.m. **Welcome and Announcements**
- 8:00 a.m. **New Thoughts on Primary Blast Physics: What Health Care Providers Need to Know Regarding Blast Mechanisms**
Lee Ann Young, M.A., B.S.M.E.
 Lee Ann Young is an engineer who works as a science and technology advisor to the U.S. government. She will be presenting the latest information on the physics and mechanisms of blast waves and how these concepts produce the injuries that are observed in our patients. Understanding of these concepts will drive prevention and care at the point of wounding as well as future medical research and modeling.
- 9:00 a.m. **Exploring the State of Knowledge Concerning Treatment of Traumatic Brain Injuries at the Point of Wounding: What We Are Teaching Today, What We Should be Teaching and What We Will Be Teaching Tomorrow in Order to Maximize Casualty Outcomes from Brain Injury**
Geoffrey Ling, M.D., Ph.D., FAAN
 Col. Ling is the Director of the Division of Critical Care Medicine at USUHS and a Program Manager of the Defense Advanced Research Program Agency. Traumatic Brain Injury (TBI) continues to be a major medical concern. Blast-induced TBI has been called the “signature wound” of the Afghanistan and Iraq wars. Although TBI is a significant military health issue, it is also a civilian threat. Recent trends in global terrorism raise significant concerns for increases in civilian casualties caused by exposure to explosive devices. Col. Ling will review the state of knowledge concerning TBI, acute clinical observations and treatment after exposure to blast injury, with particular attention to the point of wounding.
- 10:00 a.m. **BREAK**
- 10:30 a.m. **Fluid Resuscitation of the Hypovolemic Patient at the Point of Wounding: Fluids of the Future and the Role of Lyophilized Blood Products**
Joseph A. DaCorta, M.H.A., CHE
 Mr. DaCorta is the Chief Technology Officer for Entegriion, Inc. and the former head of Expeditionary Medicine at the Warfighting Laboratory in Quantico, Virginia. He will be discussing the present and future technology available to the medical provider for hemorrhage control, particularly the role of lyophilized fresh frozen plasma and platelets. Mr. DaCorta will review future research products that will allow the loading of therapeutics or nano-particles for highly targeted delivery of specific therapeutics to the site of bleeding.
This presentation will not receive physician CME credit.
- 11:30 a.m. **LUNCH**
- 1:00 p.m. **The Only Scientifically, Outcome Driven Validated Triage System in Existence**
Paul K. Carlton, Jr., M.D.
 Dr. Carlton is a former Surgeon General of the Air Force and a leader in creating the military’s present mobile health care system. He will present findings based on the first evidence based, outcome-driven method for resource constrained triage, applicable for blunt, penetrating and blast overpressure-like trauma in military-age personnel. This triage system is applicable to combat, terrorist incidents in homeland defense, and to civilian multiple and mass casualties.
- 2:00 p.m. **New Joint Theater Trauma Registry (JTTR) Data Regarding Advanced Airway Techniques in GWOT: Do Surgical Airways Have a Place on the Modern Battlefield**
Lieutenant Colonel Robert L. Mabry, M.D.
 Lt. Col. Mabry works as a pre-hospital research physician at the US Army Institute of Surgical Research. As a military physician and operator, he has recently mined the most up-to-date JTTR advanced airway data. He will be discussing his findings on surgical airways in the field, particularly who is performing surgical airways in the field, what predictors for success and failure have been identified, how should we be training the procedure and who should be performing it.
- 3:00 p.m. **Panel Discussion**
Jeff Cain, M.D.; Paul K. Carlton, Jr., M.D.; Joseph A. DaCorta, M.H.A., CHE; Travis Hawkins, M.D.; Geoffrey Ling, M.D., Ph.D., FAAN; Lieutenant Colonel Robert L. Mabry, M.D.; Lee Ann Young, M.A., B.S.M.E.
- 4:00 p.m. **Evaluation and Adjourn**

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Accreditation Statements

PHYSICIANS

Texas Health Research & Education Institute is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Texas Health Research & Education Institute designates this educational activity for a maximum of 5 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The presentation "The Only Scientifically, Outcome Driven Validated Triage System in Existence" has been designated by Texas Health Research & Education Institute for 1 credit of education in medical ethics and/or professional responsibility.

EMTS AND PARAMEDICS

EMTs and paramedics will receive CE credit.

NURSES

Texas Health Resources Center for Learning & Career Development is an approved provider of continuing nursing education by the Texas Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

This program will provide 6.5 nursing contact hours.

Registration Information

Due to limited seating, advanced registration is encouraged.

To receive a registration discount, your registration must be received no later than Wednesday, October 6, 2010. All registrations will be confirmed.

REGISTER BY

- **Mail:** Texas Health Research & Education Institute, CME Department
612 E. Lamar Blvd., Ste. 1400, Arlington, TX 76011
- **Toll Free:** 1-866-295-3269
- **Fax:** 682-236-6622
- **Web Site:** www.texashealth.org/cme

(Make checks payable to Texas Health Research & Education Institute.)

Cancellation

PHYSICIANS

If you cannot attend, the Office of Continuing Medical Education will refund the registration fee, less a \$30 administrative fee, provided it is requested in writing prior to September 30, 2010. No refunds will be issued after this date or for non-attendance. There is no charge for a substitute registrant. In the event of course cancellation, notification will be given two weeks in advance of the course and the fee fully refunded.

LAW ENFORCEMENT, MEDIC/CORPSMAN, NURSES, EMT-P, NON-PHYSICIANS

There is no refund if you decide not to attend. There is no charge for a substitute registrant. In the event of course cancellation, notification will be given two weeks in advance of the course and the fee fully refunded.

Hotel Reservations

We recommend hotel reservations be made at the **Courtyard Dallas Central Expressway**, 10325 North Central Expressway, Dallas, TX 75231. Call 214-739-2500 and request the "medical rate." Hotel accommodations are subject to 15% tax.

Registration Form

Payment must be included for registration to be processed.

REGISTRATION FEE (Received by October 6, 2010)

- \$125 Civilian Physicians
- \$ 65 Military Physicians
- \$ 25 Law Enforcement, Medic/Corpsman, Nurses, EMT-P, Non-physicians

ON-SITE REGISTRATION FEE (Received after October 6, 2010)

- \$140 Civilian Physicians
- \$ 80 Military Physicians
- \$ 40 Law Enforcement, Medic/Corpsman, Nurses, EMT-P, Non-physicians

Registrations will only be accepted on-site after October 6, 2010.

Please type or print legibly.

First Name: _____

Last Name: _____

Preferred Name (for badge): _____

Please Select as Appropriate: M.D. D.O. R.N. EMT-P

Other: _____

Hospital Affiliation: _____

Specialty: _____ Last 4 Digits of Social Security #: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Preferred Phone #: (_____) _____

Fax #: (_____) _____

E-mail: _____

(Confirmation will be sent to the e-mail address indicated above.)

Do you have any special physical, dietary (for example, vegetarian, kosher, etc.) or other needs: Yes No

If yes, please describe: _____

PAYMENT INFORMATION

Credit Card Type: Visa MasterCard Discover American Express

Credit Card #: _____

Exp. Date: _____ Customer Code (3 digit # on back of credit card): _____

Amount to be Charged: _____

Billing Address (if different from above): _____

City: _____ State: _____ Zip: _____

Signature of Cardholder: _____

ON-SITE EMERGENCY INFORMATION

Name of Person to Contact: _____

Emergency Phone # (area code): _____

For additional information, call 1-866-295-3269 or visit www.TexasHealth.org/CME.