

Pre-Conference Workshops: Exclusive Traumatic Brain Injury & Electronic Health Records Focus Day - Tuesday, June 22, 2010

Pre-conference workshop sessions include need-to-know topics such as:

- The clinical management of Blast TBI
- Promoting EHR transparency among federal health partners
- Latest TBI advancements and tackling EHR technology challenges

7:30 AM – 8:00 AM Registration And Coffee

TRAUMATIC BRAIN INJURY (TBI)

8:00 Am – 10:00 AM The Clinical Management & Science of Blast TBI

Traumatic brain injury has always been a significant disease state for the military, even in peacetime. However, when war erupts, the etiology changes from accidents and motor vehicle collisions to fragments, bullets and explosions. Military medical providers use clinical management guidelines and aggressive neurocritical care that were developed for civilian care. This has contributed to improved survival and outcome, however, the lack of a specific TBI therapy has limited the impact of these advances. For the military, there are unique aspects of combat related TBI. This workshop will explore the prevalence of penetrating injuries by low velocity high mass fragments, explosive blast mechanisms that are distinct from acceleration-deceleration or focal concussive impact, and severe and mild explosive blast TBI. Attend this session to:

- Explore the features of severe explosive blast TBI: early hyperemia, rapid malignant edema, subarachnoid hemorrhage and vasospasm
- Tackle the challenges of diagnosing and clinically treating mild explosive blast TBI
- Examine the overlap of TBI and post-traumatic stress disorder

Session Leader:

COL Geoffrey Ling, M.D., Ph.D.
Medical Corps, U .S. Army, Program
Manager, Defense Sciences Office
DARPA

ELECTRONIC HEALTH RECORDS (EHR)

8:00 AM – 10:00 AM KEYNOTE: Acquisition, Development , Testing & Deployment of AHLTA and the MHS Electronic Health Record

The evolution of health information technology has changed the way the military community receives care. The technologies, systems and standards have facilitated a new approach to information management. What relevant policies must be adhered to when acquiring or developing EHR technology? This session will provide an in-depth look at how the Army, Navy and Air Force medical departments align their EHR/IT objectives with the Military Health System. Attend this workshop to:

- Find out the future objectives for health information technology
- Ensure military health IT programs are effectively managed
- Review EHR deployment lessons learned and insights

Session Leader:

Mary Ann Rockey, SES
Program Executive Officer and Deputy Chief
Information Officer (Acquisition)
Military Health System

10:00 AM – 12:00 PM Historic Overview & Current Knowledge on Military TBI & PTSD

This workshop will take an in-depth look at military TBI and PTSD from both a historical and current perspective. Assess key mechanisms underlying post-traumatic neurological deficits and methods for improving war-related injuries. Gain insight on the research and opinions regarding the overlap of TBI and PTSD symptoms. Attend this session to:

- Explore experimental and clinical findings on blast injury
- Examine the most probable scenarios seen in Soldiers with blast injuries
- Learn approaches for improving survivability, sustainment and performance of the military population

Session Leader: Ibolja Cernak M.D., M.E., Ph.D.

Medical Director, Biomedicine Business Area, Department of National Security Technology

Johns Hopkins University Applied Physics Laboratory

12:00 PM – 1:00 PM Lunch Will Be Served

1:00 PM – 3:00 PM Translation of Evidence-Based Findings for Rehabilitation of Cognitive Impairments After Traumatic Brain Injury

Moderate to severe traumatic brain injury (TBI) results in a range of cognitive impairments, with some of the most typical being impairments in memory, attention, and social communication. Such impairments negatively impact the ability of persons with injury to integrate fully into their

10:00 AM – 12:00 PM DOD & VA— Sharing EHR Information from Theater to CONUS

Sharing medical information from theater to CONUS can be a challenge. The DoD-VA reliance on seamless sharing of medical records is increasing and provides a motivator to get sharing right, especially regarding the transition to CONUS care. This session will uncover the opportunities to establish interoperability for the nation within the federal health care delivery system. Gain insight into what the DoD and VA are doing to share information and ensure transparency among federal health partners. Attend this workshop to explore:

- Point of injury documentation in Theater
- Level I-III data collection and presentation in Theater
- Suggested improvements that can inform care through the continuum

Session Leader:

COL Keith L. Salzman MD, MPH
Chief of Informatics
Madigan Army Medical Center

1:00 PM – 3:00 PM Integrating Medical Record Data

Electronic health record initiatives are a primary thrust for military treatment facilities. The implementation of a system with the capabilities to integrate patient health records is the future of medical records management. Attend this session to discover what EMR systems look like, what users look at, what kind of data is being put into the system and what's being done with the data. This workshop will focus on:

communities. There is much research evaluating the effectiveness of treatments for cognitive impairments; however, it is often difficult for treating professionals, persons with TBI, and their caregivers to determine the best way to implement evidence-based recommendations to improve the daily functioning of persons with TBI. This workshop will provide practical recommendations, derived from empirical evidence, on treatments for attention, memory, and social communication impairments after TBI. Attend this session to:

- Receive an overview of comprehensive, post-acute cognitive rehabilitation
- Examine community re-entry programs
- Explore the obstacles to implementing treatments for impaired awareness, emotional and family issues

Session L eaders:

**Allison N . Clark,
Ph.D.**

Assistant Professor,
Department of
Physical Medicine &
Rehabilitation,
Baylor College of
Medicine and
Investigator, Brain
Injury Research
Center
**TIRR Memorial
Hermann**

**Angelle M. Sander,
Ph.D.**

Associate Professor,
Department of
Physical Medicine &
Rehabilitation,
Baylor College of
Medicine/Harris
County Hospital
District and Director
& Senior Scientist,
Brain Injury
Research Center
**TIRR Memorial
Hermann**

- Madigan Army Medical Center success stories
- Tackling interoperability issues
- Implementation challenges and solutions

Session L eader:

Rick Barnhill

Program Manager Clinical Informatics
**Madigan Army Medical Center and
Western Regional Medical Command**

3:00 PM – 5:00 PM Community Reintegration & Vocational Rehab for TBI

This workshop will focus on the challenges of rehabilitating veterans with traumatic brain injury and the different approaches to vocational rehabilitation and community reintegration. Examine the characteristics of successful vocational rehabilitation interventions and the data from ongoing research in this area. Attendees will have the opportunity to assess methods of attaining optimal levels of community reintegration, taking into account regional and cultural variations. Attend this session to:

- Review empirically validated approaches to successful rehabilitation
- Learn strategies to develop salient and appropriate outcome measures
- Gauge the success of intervention efforts in vocational rehabilitation and community reintegration

Session Leader:

Sunil K. Sen-Gupta, Ph.D., MPH
Scientific Program Manager, Rehabilitation Research and Development Service, Office of Research and Development
U.S. Department of Veterans Affairs

3:00 PM – 5:00 PM Development of the Joint Virtual Lifetime Record

This incisive workshop will explore the current focus and status of the creation of a Joint Virtual Lifetime Electronic Record. In an effort to provide transitioning Veterans with optimal care, it's mandatory that the exchange of medical records between the DoD and VA is a seamless process. This workshop will evaluate the plans, requirements and progress of the JVLER that will follow servicemembers throughout the course of their lifetime.

- Initiative update: what it will take to implement a comprehensive system
- Advancing the delivery of care from enlistment to retirement
- Future outlook and expectations

Speakers to be Confirmed