2015 Trauma Symposium



Friday, June 12, 2015

Hilton Omaha Hotel

1001 Cass Street Omaha, Neb.

Join us to meet your CE requirements and then stay in Omaha for the 2015 NCAA College World Series!

Games begin on June 13th and three lucky attendees will win a pair of box seat tickets for opening day!

DESIGNED FOR:

Trauma Surgeons, General Surgeons, Emergency Medicine Physicians, Physicians Providing Trauma Care, Nurse Practitioners, Physician Assistants, Pharmacists, Nurses, EMS Personnel, Fellows, Residents, Students, Public Health Professionals and Other Interested Healthcare Providers

JOINTLY PROVIDED BY:

Creighton University School of Medicine
Department of Surgery
Division of Trauma Surgery and Surgical Critical Care
CHI Health Creighton University Medical Center
Trauma Program
Creighton University Health Sciences Continuing Education
Creighton University EMS Education
CHI Health
LifeNet Air Medical Services

LifeNet Air Medical Services Nebraska ENA State Council Emergency Nurses Association

Creighton UNIVERSITY

Health Sciences
Continuing Education







Welcome from the Course Directors







Juan A. Asensio M.D., FACS, FCCM, FRCS (England), KM

We invite you to attend the 2015 Trauma Symposium and look forward to seeing you there!

Education Credit

Category 1: Creighton University Health Sciences Continuing Education designates this live activity for a maximum of 9.0 *AMA PRA Category 1 Credit(s)* $^{\text{TM}}$. Physicians should claim only credit commensurate with the extent of their participation in the activity.

AAPA accepts AMA category 1 credit for the PRA from organizations accredited by ACCME.

Nurse CE: Creighton University Health Sciences Continuing Education designates this activity for 9.0 contact hours for nurses. Nurses should claim only credit commensurate with the extent of their participation in this activity.

Nurses licensed in Iowa and California: This activity was planned and developed in accordance with the continuing education standards of the American Nurses Credentialing Center (ANCC). The Iowa Board of Nursing and the California Board of Nursing will honor ANCC continuing education credits for face-to-face programs held outside Iowa and California, or for ANCC-approved online recorded courses taken in a self-study format.

Pharmacy: The 2015 Trauma Symposium is provided by Creighton University Health Sciences Continuing Education (HSCE). HSCE is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education. This activity is assigned Universal Activity (UAN) # 0839-9999-15-030-L04-P and is accredited for 9.0 hours for attendance of all CE sessions on June 12, 2015. The 2015 Trauma Symposium is a knowledge-based CE activity.

EMS: This educational activity has been approved for up to 8.0 continuing education hours for all levels of EMS personnel through Creighton University.

ACCREDITATION STATEMENT: This activity has been planned and implemented by Creighton University Health Sciences Continuing Education and CHI Health for the advancement of patient care. Creighton University Health Sciences Continuing Education is accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing education for the healthcare team.

DISCLOSURE POLICY: It is the policy of Creighton University Health Sciences Continuing Education, to ensure balance, independence, objectivity and scientific rigor in all its educational activities. All faculty participating in this activity are expected to disclose to the audience any significant financial interest or other relationship he/she has with the manufacturer(s) of any commercial product(s) discussed in an educational presentation.

Purpose and Objectives

Purpose — The symposium will provide practitioners with clinically relevant information and educational resources for evidence-based practice and literature review that will enhance knowledge, skills, and performance in the assessment and treatment of trauma patients.

Objectives — At the end of this program, the participants should be able to:

- Relate changes in wounding agents encountered during the recent Iraq and Afghanistan campaigns
- Describe changes in the management of torso injuries
- Identify changes in the management of extremity injuries including the use of tourniquets and shunts
- Explain Resuscitative Endovascular Balloon Occlusion of the Aorta and discuss the indications and the controversies related to this procedure
- Determine indicators signaling the presence of a difficult airway and what adjunct can be used to secure a difficult airway
- Discuss ways to deal with unexpected findings in a difficult airway
- Describe techniques to repair atrial and ventricular injuries and be able to discuss the controversies in the management in these injuries and predictors of patient outcomes
- Explain techniques to manage complex hepatic injuries and discuss controversies in the management of these injuries and predictors of patient outcomes
- Examine predictive models and outcomes of syndrome of exsanguination and discuss the indications for the surgical techniques involved
- Describe the role of Landstuhl Regional Medical Center in the care of war wounded from Operation Iragi Freedom and Operation Enduring Freedom
- Describe the transport care of casualties transported by Critical Care Air Transport Teams (CCATT)
- Describe the 'Senior Distinguished Visiting Surgeons Program'
- Discuss the role of military nurses in initial resuscitation and management of incoming casualties and post-operative care
- Outline the organization of a military hospital
- Describe the integration and role of the nurse practitioner in the initial resuscitation and follow-up care in the academic medical center
- Outline the organization of an academic trauma center
- Describe the insertion and types of intracranial monitoring devices and how to measure intracranial pressure (ICP) and cerebral perfusions pressures (CPP)
- Discuss the indications for craniotomies and the operative technique to evacuate epidural and subdural hematomas and intraparenchymal hemorrhages
- Review the use of pelvic binders in pre-hospital stabilization of complex pelvic fractures
- Identify how trauma and orthopedic surgeons should work together in pelvic trauma patients that require immediate surgical intervention
- Discuss the role of angiography and angioembolization for the control of pelvic bleeding
- Explain the challenges in managing pregnant trauma patients
- Describe indications and operative technique for emergency Cesarean section
- Discuss the predicators of outcomes in the pregnant trauma patient
- Review the unique challenges in airway management in the trauma setting
- Discuss the benefits and risks of rapid sequence induction in the pre-hospital environment
- Identify evidence-based techniques for bag mask ventilation and optimal preoxygenation
- Discuss the benefits of video laryngoscopy and difficult airway tools to provide optimal outcomes to trauma patients
- Identify criteria for referral to a burn center
- Explain appropriate resuscitation techniques for burn victims
- $\bullet \ \ \text{Identify patients with frostbite who are candidates for urgent treatment} \\$
- Discuss the theoretical rationale and mechanical concepts of spine immobilization
- Identify parameters for developing a predictive index for trauma patients with spine compromise
- Describe the definition of Post-Traumatic Stress Syndrome
- Identify trauma patients who are experiencing psychological suffering
- Recognize the potential impacts on the provider in delivering care to the trauma surgical care

Schedule

7:00 a.m. Registration, Continental Breakfast & Visit Exhibits

7:20 a.m. Welcome & Introduction

Jeffrev T. Suaimoto, M.D., FACS

SESSION I: RESUSCITATION - CONTROVERSIES & CHALLENGES

MODERATOR: Juan A. Asensio, M.D., FACS, FCCM, FRCS (England), KM

7:30 a.m. Changes in Combat Casualty Care

Donald D. Trunkey, M.D., FACS

7:50 a.m. Resuscitative Thoracotomy vs. Resuscitative

Endovascular Balloon Aortic Occlusion (REBOA):

What's Right?

Lena M. Napolitano, M.D., FACS, FCCP, FCCM

8:10 a.m. The Difficult Airway - Can't Live Without It!

Charles F. Youngblood, M.D.

8:30 a.m. Session I O&A

Juan A. Asensio, M.D., FACS, FCCM, FRCS (England), KM

Lena M. Napolitano, M.D., FACS, FCCP, FCCM

Donald D. Trunkey, M.D., FACS Charles F. Youngblood, M.D.

SESSION II: SECRETS OF THE MASTER TRAUMA SURGEONS

MODERATOR: Michel Wagner, M.D., FACS

9:00 a.m. Cardiothoracic Injuries – Complex & Lethal Injuries

Juan A. Asensio, M.D., FACS, FCCM, FRCS (England), KM

9:20 a.m. Multidisciplinary Approach to the Management of

Complex Hepatic Injuries *David V. Feliciano, M.D., FACS*

9:40 a.m. The Syndrome of Exsanguination – Bail Out/Damage

Control: Uses & Abuses Lawrence N. Diebel, M.D., FACS

10:00 a.m. Session II Q&A

Juan A. Asensio, M.D., FACS, FCCM, FRCS (England), KM

David V. Feliciano, M.D., FACS Lawrence N. Diebel, M.D., FACS Michel Wagner, M.D., FACS

10:30 a.m. Break & Visit Exhibits

SESSION III: NIGHTINGALE, BARTON, CAVELL, AND VAN DEVANTER: NURSES & TRAUMA

MODERATORS: Susan Werner, MAS, BSN, R.N. and

Juan A. Asensio, M.D., FACS, FCCM, FRCS (England), KM

10:45 a.m. Landstuhl Regional Medical Center – A Pillar for the

Care of the Iraq & Afghanistan War Wounded

Kathleen D. Martin, MSN, R.N.

11:05 a.m. The Important Role of the Military Nurse in the Care of

War Wounded: My Experience
Anne L. Monroe, DNP, NP-C, APRN-NP

The Integral Role of the Nurse Practitioner in an

Academic Trauma Center: My Experience
Heather R. Templin, DNP, APRN-NP, ACNP-BC

11:45 a.m. Session III Q&A

11:25 a.m.

Juan A. Asensio, M.D., FACS, FCCM, FRCS (England), KM

Kathleen D. Martin, MSN, R.N. Anne L. Monroe, DNP, NP-C, APRN-NP Heather R. Templin, DNP, APRN-NP, ACNP-BC

Susan Werner, MAS, BSN, R.N.

12:15 p.m. Lunch, Keynote Address & Patient Presentations
MODERATOR: Juan A. Asensio, M.D., FACS, FCCM, FRCS (England), KM

Keynote Address: 'Transformation'

Robert W. Dunlay, M.D.

SESSION IV: THE OPENINGS, THE FIXINGS & THE DELIVERIES: NEUROSURGEONS, ORTHOPEDIC SURGEONS AND OBSTETRICIANS/GYNECOLOGISTS IN TRAUMA

MODERATOR: Robert P. Bertellotti, M.D., FACS

1:15 p.m. Craniotomies, Catheters, and CSF Fluid – What's New?

Christopher R. Mascott, M.D., FRCS(C), FAANS

1:35 p.m. Complex Pelvic Fractures – We All Need to Work

Together!

Karl A. Bergmann, M.D., FACS

1:55 p.m. Major Trauma in the Unknown & Known Pregnant

Trauma Patients

James F. Smith Jr., M.D., FACOG

2:15 p.m. Session VI Q&A

Robert P. Bertellotti, M.D., FACS Karl A. Bergmann, M.D., FACS

Christopher R. Mascott, M.D., FRCS(C), FAANS

James F. Smith Jr., M.D., FACOG

2:45 p.m. Break & Visit Exhibits

SESSION V: GETTING THE CHALLENGING PATIENT TO THE HOSPITAL: THE VITAL EMS ROLE IN PATIENT OUTCOMES

MODERATOR: Michael G. Miller, Ed.D., M.S., BSEMS, NRP

3:00 p.m. The Complex Airway in the Field: History, Evolution &

Tricks of the Trade

Rick Erickson, NRP, EMS-I, CCP-C, FP-C

3:20 p.m. Acute Care for Burns and Frostbite: Tips & Tricks for

Managing Patients from the Field to the Burn Center

David W. Voigt, M.D., FACS

3:40 p.m. Selective Immobilization: Rationale & Application

R. Scott Crawford, NREMT-P, CCEMT-P, EMSI

4:00 p.m. Session V Q&A

R. Scott Crawford, NREMT-P, CCEMT-P, EMSI Rick Erickson, NRP, EMS-I, CCP-C, FP-C Michael G. Miller, Ed.D., M.S., BSEMS, NRP

David W. Voigt, M.D., FACS

SESSION VI: THE EFFECTS OF TRAUMA DO NOT HAVE TO LAST A LIFETIME

4:30 p.m. Addressing the Psychological Wounds Associated with

Surgical Trauma Thomas M. Svolos, M.D.

5:00 p.m. Session VI Q&A

5:30 p.m. Evaluation & Adjournment

PLANNING COMMITTEE: Juan A. Asensio, M.D., FACS, FCCM, FRCS (England), KM; Michel Wagner, M.D., FACS; Sally C. O'Neill, Ph.D.; Colin T. Dworak, BSBA; Marybeth E. Goddard, M.S.; Michael G. Miller, Ed.D., M.S., BSEMS, R.N., NREMT-P; Jeremy Moore, CFRN; Susan Werner, MAS, BSN, R.N.; Kevin J. Nokels. FACHE

HSCE PROGRAM REVIEW COMMITTEE: Mark Malesker, Pharm.D.; Philip Brauer, Ph.D.; Scott DiLorenzo, B.A., DDS; Susan Connelly, M.N., APRN-NP; Dennis Higginbotham, DDS; Dan Hilleman, Pharm.D.; William Hunter III, M.D.; Linda Lazure, Ph.D., R.N.; Sally C. O'Neill, Ph.D.

MONEY BACK GUARANTEE: We are convinced you'll leave our programs with more than enough information to earn back your investment in these programs many times over. But if you feel you haven't received your money's worth by the end of the program, you will receive a 100% refund of your registration.

Course Directors

Michel Wagner, M.D., FACS

Assistant Professor of Surgery Creighton University School of Medicine Department of Surgery

Division of Trauma Surgery and Surgical

Critical Care CHI Health Creighton University Medical

Omaha, Neb.

Center

Juan A. Asensio, M.D., FACS, FCCM, FRCS (England), KM

Professor of Surgery

Creighton University School of Medicine

Department of Surgery

Chief, Division of Trauma Surgery and

Surgical Critical Care

Director, Trauma Center and Trauma

Program

CHI Health Creighton University Medical

Center

Omaha, Neb.

Guest Faculty

Lawrence N. Diebel, M.D., FACS

Professor of Surgery

Wayne State University School of Medicine

Vice-Chief of Surgery, Detroit Receiving

Hospital & Trauma Center

Chief, Surgical Intensive Care Unit,

Harper University Hospital

Chief of Trauma Surgery and Surgical

Critical Care

Sinai Grace Hospital

Detroit

David V. Feliciano, M.D., FACS

J. Stanley Battersby Professor of Surgery Indiana University School of Medicine

Department of Surgery

Chief, IU Division of Surgery

Chief of Surgery, IU Health University

Hospital

Scudder Orator ACS

Indianapolis

Lena M. Napolitano, M.D., FACS, FCCP, FCCM

Professor of Surgery

University of Michigan

Division Chief, Acute Care Surgery

(Trauma, Burn, Critical Care, Emergency

Associate Chair of Surgery, Department of Surgery

Director, Trauma and Surgical Critical

Ann Arbor, Mich.

Donald D. Trunkey, M.D., FACS

Professor of Surgery

Chairman Emeritus

Department of Surgery

Oregon Health and Science University

Scudder Orator ACS

Portland, Ore.

Kathleen D. Martin, MSN, R.N.

Senior Director, Clinical Programs

Digital Innovation

Former Trauma Program Manager

Landstuhl Regional Medical Center Joint Services

Army, Air Force, Navy, Marines and Civilians

Forest Hill, Md.

Faculty

Robert W. Dunlay, M.D.

Professor of Medicine

Dean, School of Medicine

Creighton University School of Medicine

Department of Medicine

Division of Nephrology

Omaha, Neb.

Karl A. Bergmann, MD, FACS

Assistant Professor of Surgery

Creighton University School of Medicine

Department of Surgery

Division of Orthopaedic Surgery

Omaha, Neb.

Robert P. Bertellotti, M.D., FACS

Assistant Professor of Surgery

Creighton University School of Medicine

Department of Surgery

Division of Trauma Surgery and Surgical

Critical Care

CHI Health Creighton University Medical

Omaha, Neb.

R. Scott Crawford, NREMT-P, **CCEMT-P, EMSI**

Instructor, EMS Paramedic Program Critical Care Paramedic, Omaha Fire

Department

Assistant Rescue Chief, Scribner Fire &

Rescue Department

Scribner, Neb.

Rick Erickson, NRP, EMS-I, CCP-C, FP-C

Critical Care Coordinator

Creighton University EMS Education Flight Paramedic, LifeNet Air Medical

Services

Omaha, Neb.

Christopher R. Mascott, M.D., FRCS(C), FAANS

Associate Professor of Surgery

Creighton University School of Medicine

Department of Surgery

Division of Neurosurgery

CHI Health Creighton University Medical

Center

Omaha, Neb.

Michael G. Miller, Ed.D., M.S., BSEMS,

Assistant Professor and Director Creighton University EMS Education Omaha, Neb.

Anne L. Monroe, DNP, NP-C, APRN-NP

Nurse Practitioner

Department of Surgery

Division of Trauma Surgery and Surgical

Critical Care

Trauma Program

CHI Health Alegent Creighton Clinic

Omaha, Neb.

James F. Smith Jr., M.D., FACOG

Professor and Chair

Creighton University School of Medicine

Department of Obstetrics and

Gynecology

Omaha. Neb.

Jeffrey T. Sugimoto, M.D., FACS

Lempka Endowed Chair in Surgery

Professor and Chair

Creighton University School of Medicine

Department of Surgery

Director, Surgical Residency Program

Chief, Division of Cardiothoracic and

Vascular Surgery

Medical Director, Bloodless Medicine

and Surgery

CHI Health Creighton University Medical

Center

Omaha, Neb.

Thomas M. Svolos, M.D.

Professor and Chair

Department of Psychiatry

Creighton University School of Medicine

Omaha, Neb.

Heather R. Templin, DNP, APRN-NP, **ACNP-BC**

Nurse Practitioner

Department of Surgery

Division of Trauma Surgery and Surgical

Critical Care

Trauma Program

CHI Health Alegent Creighton Clinic

Omaha, Neb.

David W. Voigt, M.D., FACS

Lincoln Surgical Group, PC

Medical Director

St. Elizabeth Regional Burn and Wound

Care Center

Lincoln, Neb.

Susan Werner, MAS, BSN, R.N. Operations Director, Trauma Program

Trauma Services

Center

Omaha, Neb.

Charles F. Youngblood, M.D. Assistant Professor and Interim Chair Creighton University School of Medicine

CHI Health Creighton University Medical

Department of Anesthesiology

Omaha, Neb.

230219-701900 S174

Registration

Program Registration Fees

Physicians, Nurse Practitioners, Physician Assistants, Pharmacists	
Nurses, EMS Personnel, Public Health Professionals, Fellows, Residents & Students \$	665
Remote Site via Telehealth* \$ Ainsworth, Neb.; Kearney, Neb.; North Platte, Neb.; Scottsbluff, Neb.	45

Registration fee includes continental breakfast, lunch and breaks. Please note: meals are not provided at Telehealth locations.

Handout Options: Please be advised that handout materials for this conference will not be included in the registration fee and will not be distributed as paper copies, but rather, made available online ahead of time (to the best extent possible). Participants can download and print the presentations prior to the conference or follow along on their own laptop during the conference.

- A link will be sent by email a week prior to the conference to download and print the handouts needed before the event.
- For those needing a traditional handout, they will be available by pre-order at a cost of \$15. Please pre-order your handout by **June 3**, **2015. No additional handouts will be available to purchase the day of the conference.**

Please note if you require special accommodations (dietary, mobility, hearing, etc) for the meeting, there will be an opportunity to enter them through the online registration.

2015trauma.eventbrite.com

TELEHEALTH BROADCAST VIA REMOTE SITES

*Register online at 2015trauma.eventbrite.com and your information will be forwarded to the site you choose.

There are a limited number of seats for the Telehealth broadcast of this symposium. Please register online and your information will be forwarded to the site you choose. **Meals are not provided at Telehealth locations.** The 2015 Trauma Symposium will be available via the Nebraska Telehealth System to the following locations:

Brown County Hospital, Ainsworth, Neb.

· Contact Matt Lentz 402.387.2800, ext. 147

Good Samaritan Hospital, Kearney, Neb.

• Contact Wanda Kjar-Hunt 308.865.7742

Great Plains Regional Medical Center, North Platte, Neb.

Contact Pam Garrick 308.696.7530

Regional West Medical Center, Scottsbluff, Neb.

• Contact Boni Carrell 308.630.1703

Registration Deadline is June 8, 2015

Additional Information

CANCELLATION: Please call **402.280.5659** or **800.548.2633** by **Monday, June 8, 2015**. Refund less \$20 if cancelling by Monday, June 8, 2015. No refunds after Monday, June 8, 2015.

MEETING PLACE & LODGING: Hilton Omaha Hotel, Grand Central Ballroom, 1001 Cass Street, Omaha, Nebraska. The Hilton Omaha Hotel has a limited amount of rooms available at a rate of \$129/night plus tax to guests who would like to stay during the meeting. Please call 402.998.4215 to make reservations and reference the Creighton Trauma Symposium to receive the discounted rate. Reservations should be made prior to May 15, 2015, after this date subject to availability.

hilton.com/Omaha

Go to visitomaha.com for a list of hotels in the area.

PARKING: Parking for this conference is free at the Hilton Omaha Hotel. Upon entering the Hilton parking garage, please take the white ticket to activate the arm to the garage entrance. This ticket can be left in the vehicle. You do not need to pay to enter the garage. At registration, you will be given a blue validated ticket to accompany the white ticket, that will allow you to exit from the garage at no charge.

EMERGENCY PHONE: 402.998.3400. Ask for the Creighton Trauma Symposium.

CLIMATE AND DRESS: Casual dress is encouraged for the entire meeting. Temperature in meeting room fluctuates, therefore layered clothing is suggested. Plan to bring a sweater or jacket.

SPECIAL NEEDS: Creighton University Health Sciences Continuing Education (HSCE) wishes to ensure that no individual with special needs is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids and services. If you are in need of auxiliary aids or services, please contact HSCE at 800.548.2633 or 402.280.5659.

COURTESY: For the concentration and comfort of our participants, we ask that all cell phones and pagers be silenced during sessions of the conference. Breaks are provided for your communication convenience. All attendees must register — no guests/children please. Thank you for your cooperation.

Walk-ins are welcome, however seating or conference materials cannot be guaranteed. If registration/ handout fee is being paid by check in advance, please make check out to Creighton University and mail to:

Creighton University HSCE 601 N 30th St, Suite 2130 Omaha, NE 68131



Health Sciences Continuing Education

2500 California Plaza Omaha, Nebraska 68178-0216

230219-701900-7431-110

2015 Trauma Symposium June 12, 2015

Join us to meet your CE requirements and then stay in Omaha for the 2015 NCAA College World Series! Games begin on June 13th and three lucky attendees will win a pair of box seat tickets for opening day!

2015 Trauma Symposium

Friday, June 12, 2015



FOR MORE INFORMATION CALL:

Nonprofit Org U.S. Postage PAID Permit No. 227

Creighton University Health
Sciences Continuing
Education

800.548.2633 or **402.280.5659**

healthsciences.creighton.edu

REGISTER ONLINE TODAY!
By June 8, 2015

2015trauma.eventbrite.com

Please forward to a colleague if unable to attend