

# Iowa's 2018 Trauma Conference

***Pre-Conference Day: Tuesday, August 28, 2018***

***Conference Day: Wednesday, August 29, 2018***

**Holiday Inn at the Airport**

**6111 Fleur Dr., Des Moines, IA 50321, (515) 287-2400**



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**THE  
COMMITTEE  
ON TRAUMA**

American College of Surgeons-Committee  
on Trauma, Iowa Chapter

# Table of Contents

Conference Mission and Scope.....	3
Registration Information .....	3
Cancellation Information.....	3
Continuing Education Information .....	4
Website.....	4
Schedule for Pre-Conference Training Day.....	5
Schedule for Conference Training Day.....	6
<b>Trauma Pre-Conference Breakout Session Information.....</b>	<b>7</b>
Advanced Trauma Life Support Refresher .....	7
Disaster Medical Emergency Preparedness .....	7
Preparedness 101 .....	8
Pediatric ALS Skills: All the Procedures You're Afraid of Plus the Ones that Actually Work .....	8
EMS Medical and Service Director Training.....	9
Trauma Medical Director Training.....	9
Mass Fatality Preparedness, Lessons Learned from the October 1 Incident in Las Vegas.....	9
<b>Trauma Conference Breakout Session Information.....</b>	<b>10</b>
<b>First General Session:</b>	
October 1, Las Vegas Mass Shooting: Response and Lessons Learned.....	10
<b>First Round of Breakout Sessions:</b>	
Communication Strategies in the Iowa Trauma System.....	10
Traumatic Brain Injury and Concussion in the Emergency Department.....	10
An Overview of Mass Fatality Preparedness, Lessons Learned from the October 1, Incident in Las Vegas .....	11
The Role of the Trauma Medical Director.....	11
<b>Second Round of Breakout Sessions:</b>	
Trauma Resuscitation: Translating Military Lessons Learned into the Civilian Sector.....	12
Bleeding Control from the Inside Out .....	12
Earthquakes and Lightning, Very, Very Frightening: Disaster Pre-Planning for Special Needs Patients .....	13
Firearms and Violence in the US: A Consensus-Based Path Forward .....	13
<b>Second General Session:</b>	
Trauma Systems...Where We've Been and Where We're Going .....	14
<b>Third Round of Breakout Sessions:</b>	
Trauma Performance Improvement: Simple Steps to Improve Outcomes .....	14
Process Improvement in EMS...How Can We Make it Better?..	15
The New Normal-Planning for Incidents of Mass Violence .....	15
Lethal Triad.....	15

## Fourth Round of Breakout Sessions:

Recharge – A Culture to Care.....	16
Vulnerable and Injured: Trauma in the Special Healthcare Needs Patient.....	16
Crisis Standards of Care .....	17
Trauma Case Studies .....	17

## Third General Session:

Boston Marathon Bombing 2013 - One Hospital's Response ..	17
---	----

## Course Directors and Conference Speakers ..... 18

### Course Directors:

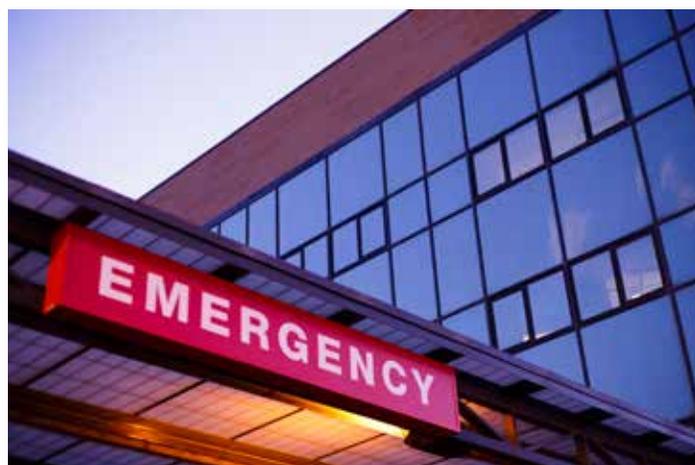
Dionee Skeete, M.D. ....	18
Richard Sidwell, M.D., FACS.....	18

### Keynote Speakers:

Deborah Kuhls, M.D., FACS.....	18
Stephen Flaharty, M.D., FACS .....	18
Larry Torrey, RN, EMT-P.....	19

### General Session Speakers and Facilitators:

Dennis Cochran, RN, BSN, CFRN, CMTE .....	19
John Fudenberg, D-ABMDI .....	19
Steven "Kelly" Grayson, NREMT-P, CCEMT-P.....	19
Gary Hemann, D.O.....	19-20
John Hick, M.D. ....	20
Tish Jensen, M.D., FACS .....	20
Lora K. S. Kracht, MS, ALOP .....	20
Craig Manifold, D.O., FACEP, FAAEM, FAEMS .....	20
Kathleen Martin, MSN, RN .....	21
Michael McGonigal, M.D. ....	21-22
Julie Scadden, EMT-P .....	22
Susie Meyer, BSN, RN .....	22
Alician Smith, EMT-P.....	22
Notes .....	23



# Iowa's 2018 Trauma Conference

## Conference Mission and Scope

Conference Mission: Provide opportunities for collaboration and education of multidisciplinary partners to ensure the optimal care of trauma patients resulting from isolated and mass casualty incidents.

## Conference Scope:

- Provide trauma education to enhance the knowledge of the trauma system's workforce.
- Develop strength within each system discipline and increase collaboration between system partners for coordinated response to trauma inducing incidents.
- Increase knowledge about Iowa's trauma system and the role of each discipline within the system.

## Intended Audience

This conference is intended for physicians, advanced care practitioners, nurses, emergency medical services personnel, medical examiners and investigators, and emergency preparedness personnel.

## Conference Dates

**Pre-Conference Day:** Tuesday, August 28, 2018

**Conference Day:** Wednesday, August 29, 2018

## Location:

### **Holiday Inn at the Airport**

6111 Fleur Dr., Des Moines, IA 50321

(515) 287-2400

A block of rooms has been secured at the Holiday Inn for the nights of August 27, 28 and 29. The room rate is \$110 per night plus taxes and fees. The room block is in place until August 6, 2018. The online group code is DPH.

## Registration:

Registration is available on-line.

[CLICK HERE](#)

Credit card payments only. The registration fee is \$40 per day. Additional fees apply for the pre-conference ATLS Refresher and Disaster Management and Emergency Preparedness (DMEP) course. For assistance with registration, contact Linda Haack at [linda.haack@idph.iowa.gov](mailto:linda.haack@idph.iowa.gov) or by telephone at 515-281-0620.

## Vendor Registration:

[CLICK HERE](#)

Vendor registration is available on-line. Credit card payments only. Vendor tables will be available on August 28 and 29. The cost for a single day is \$75 or \$100 for both days. Vendors will receive an 8' covered and skirted table, two chairs and a waste basket in each display area. Wireless internet is complimentary.

## Cancellations:

Cancellations occurring by **August 15, 2018** will be refunded, less a \$10 administrative fee. **Cancellations occurring between August 16, 2018 and August 29, 2018 will not be refunded.** For assistance with cancellations, contact Linda Haack at [linda.haack@idph.iowa.gov](mailto:linda.haack@idph.iowa.gov) or by telephone at 515-281-0620.



## Pre-Conference Training:

Iowa's 2018 Trauma Conference includes a pre-conference training day. The pre-conference training provides unique opportunities to engage in hands-on pediatric skills and comprehensive mass fatality planning with subject matter experts. A Preparedness 101 session is being provided for those new to the emergency preparedness program. Medical directors for EMS and Trauma have the opportunity to work with state staff and other medical directors to learn of the responsibilities associated with the medical director positions. An Advanced Trauma Life Support (ATLS) Refresher course is being offered for physicians interested in renewing ATLS certification. Disaster Management Emergency Preparedness (DMEP) course teaches planning methods, preparedness and medical management of trauma patients in mass casualty disaster situations.

# Iowa's 2018 Trauma Conference

## Continuing Education:

Continuing Medical Education (CME) provided through the University of Iowa Carver College of Medicine and the American College of Surgeons. Refer to individual session descriptions to determine the CME provider for each. Emergency Medical Services Continuing Education Hours (CEH) provided through the Iowa Department of Public Health Bureau of Emergency and Trauma Services. All continuing education is contingent on the completion of each respective discipline's requirements including registrant information, course completion, and submission of evaluations.

## Physician Continuing Medical Education

**CME ACCREDITATION:** This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the University of Iowa Carver College of Medicine and the Iowa Department of Public Health. The Carver College of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

**CREDIT DESIGNATION:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 11.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**CLAIMING CREDIT:** Attendees seeking an *AMA PRA Category 1 Credit*<sup>™</sup> certificate will self-claim their hours of participation within the online post-conference evaluation. The University of Iowa CME Office will e-mail instructions when the conference concludes. Credits must be claimed by Friday, September 14, 2018.

**DISCLOSURE POLICY:** Everyone in a position to control the content of this educational activity will disclose to the CME provider and to attendees all relevant financial relationships with any commercial interest.

## Nursing Continuing Education

The following sessions have been approved for nursing continuing education at the pre-conference training on August 28, 2018.

- Preparedness 101 - IBON Provider #94 awards up to 4.5 contact hours.
- Pediatric ALS Skills - IBON Provider #94 awards up to 2 contact hours for Session 1, Session 2 or Session 3.
- Mass Fatality Preparedness - IBON Provider #94 awards up to 2.75 contact hours

All nurses must attend the pre-conference workshop in full. No partial credit will be awarded except in the case of an extreme emergency.

IBON Provider #94 awards up to 5.8 contact hours for participation in Iowa's 2018 Trauma Conference on August 29, 2018. All attendees must attend the conference in full; no partial credit will be awarded except in the case of an extreme emergency. Note: Nursing CE will not be awarded for the Mass Fatality Preparedness training on August 29, 2018 if the nursing participant receives credit for the Mass Fatality Preparedness session on August 28, 2018.

Nurses may submit session evaluations directly to the Iowa Board of Nursing (IBON) in lieu of using the electronic system provided at the conference venue. To submit evaluations directly to IBON, notify Diane Williams at [diane.williams@idph.iowa.gov](mailto:diane.williams@idph.iowa.gov) for electronic course evaluation forms or the registration desk at the conference for paper versions of the forms. Forms submitted directly to IBON are to be sent to the Iowa Board of Nursing at 400 SW 8th Street, Suite B, Des Moines, Iowa 50309.

## Emergency Medical Services Continuing Education Hours

Continuing education hours have been assigned to each session. Reference the session descriptions section of this brochure to identify number and type of EMS continuing education hours assigned to each session.

## Website

A conference website has been established at [https://idph.iowa.gov/bets/2018\\_conference](https://idph.iowa.gov/bets/2018_conference). All information associated with this conference is posted at that site. There will be limited printing of conference materials to ensure the lowest possible conference registration fee. Session presentations and other conference information will be posted to Iowa's 2018 Trauma Conference webpage for access by participants.

# Schedule for Iowa's 2018 Trauma Pre-Conference Training Day

Tuesday, August 28, 2018

Time	Course Name					
7:30-8:00	Registration	Registration			Registration	
8:00-8:30	Iowa D ATLS Refresher	Iowa B & C Disaster Management Emergency Preparedness	Ballroom South Preparedness 101	Registration	Room 397 EMS Medical and Service Director Training	
8:30-9:00						
9:00-9:30				Registration		
9:30-10:00				Ballroom Central		
10:00-10:30				Pediatric ALS Skills		
10:30-11:00				Session 1		
11:00-11:30						
11:30-12:00				Lunch/ Registration		
12:00-12:30	Lunch	Lunch	Lunch		Lunch/ Registration	Lunch/ Registration
12:30-1:00				Ballroom Central		
1:00-1:30	Iowa D ATLS Refresher (Continued)	Iowa B & C Disaster Management Emergency Preparedness	Ballroom South Preparedness 101 (Continued)	Pediatric ALS Skills	Room 397 Trauma Medical Director Training	Ballroom North Mass Fatality Preparedness, Lessons Learned from October 1 Incident in Las Vegas
1:30-2:00				Session 2		
2:00-2:30				Registration		
2:30-3:00		(Continued)				
3:00-3:30				Ballroom Central		
3:30-4:00				Pediatric ALS Skills		
4:00-4:30						
4:30-5:00				Session 3		

**Note:** A 15 minute break will be provided for each of the three hour blocks of training. Session blocks less than three hours do not include breaks. The Pediatric ALS Skills training is limited to 25 people per session. Mass Fatality Preparedness training is limited to 150 people. Medical Director trainings are limited to 40 participants each. Preparedness 101 training is limited to 100 people each. Additional fees are applicable to the American College of ATLS Refresher and Disaster Management Emergency Preparedness trainings (DMEP). The ATLS course is limited to 16 participants. The DMEP course is limited to 40 participants. All sessions include a box lunch.



# Schedule for Iowa's 2018 Trauma Conference Training Day

Wednesday, August 29, 2018

Time	Nursing Ballroom South	EMS Ballroom Central	Preparedness Ballroom North	Physicians Westview
7:00-7:45	Registration/Vendors			
7:45-8:00	Welcome and Color Guard			
8:00-8:50	October 1, Las Vegas Mass Shooting: Response and Lessons Learned <i>Dr. Deborah Kuhls - Iowa Hall</i>			
9:00-9:50	Communication Strategies in the Iowa Trauma System <i>Dennis Cochran &amp; Panel</i>	Traumatic Brain Injury and Concussion in the Emergency Department <i>Larry Torrey</i>	An Overview of Mass Fatality Preparedness, Lessons Learned from October 1 Incident in Las Vegas <i>John Fudenberg</i>	The Role of the Trauma Medical Director <i>Dr. Michael McGonigal</i>
10:00-10:30	Break/Vendors			
10:30-11:20	Trauma Resuscitation: Translating Military Lessons Learned into the Civilian Sector <i>Kathleen Martin</i>	Bleeding Control from the Inside Out <i>Larry Torrey</i>	Earthquakes and Lightning, Very, Very Frightening: Disaster Pre-planning for Special Needs Patients <i>Kelly Grayson</i>	Firearms and Violence in the US: A consensus-based path forward <i>Dr. Deborah Kuhls</i>
11:30-12:30	Trauma State of the Union Address and Recognition Awards Lunch-Vendors - Iowa Hall			
12:30-1:20	Trauma Systems...Where We've Been and Where We're Going <i>Dr. Stephen Flaherty- Iowa Hall</i>			
1:30-2:20	Trauma Performance Improvement: Simple Steps to Improve Outcomes <i>Kathleen Martin</i>	Process Improvement in EMS... How Can We Make It Better? <i>Dr. Craig Manifold</i>	The New Normal-Planning for Incidents of Mass Violence <i>Dr. John Hick</i>	Lethal Triad <i>Dr. Natisha Jensen</i>
2:30-3:00	Break/Vendors			
3:00-3:50	Recharge: A Culture to Care <i>Lora K. S. Kracht</i>	The Vulnerable and Injured: Trauma in the Special Healthcare Needs Patient <i>Kelly Grayson</i>	Crisis Standards of Care <i>Dr. John Hick</i>	Trauma Case Studies: Ditch to Definitive Care <i>Dr. Rick Sidwell &amp; Physician Panel</i>
4:00-4:50	Boston Marathon Bombing 2013 – One Hospital's Response <i>Larry Torrey - Iowa Hall</i>			

Iowa's 2018 Trauma Conference is the first statewide trauma conference of its kind. Three general sessions provide participants with a multi-disciplinary approach for managing trauma patients as a system with practical application in two large-scale disasters. Discipline-specific tracks for nursing, EMS, emergency preparedness and physicians round out the conference.



# Breakout Session Information for Pre-Conference Training Day

Tuesday, August 28, 2018

## Advanced Trauma Life Support (ATLS) Refresher

**Presenter:** University of Iowa Hospitals and Clinics

**Session Time:** 8:00am to 2:00pm

**Location:** Iowa D

**Course Description and Objectives:** The ATLS Refresher Course is designed to provide physicians and physician extenders the opportunity to maintain current provider status. This program provides systemic and concise training for the early care of trauma patients. The ATLS program provides participants with a safe, reliable method for immediate management of the injured patient and the basic knowledge necessary to:

- Assess the patient's condition rapidly and accurately.
- Resuscitate and stabilize the patient according to priority.
- Determine if the patient's needs exceed a facility's capacity.
- Arrange appropriately for the patient's inter-hospital transfer (who, what, when and how).
- Assure that optimum care is provided and that the level of care does not deteriorate at any point during the evaluation, resuscitation or transfer process.

### Continuing Education:

- The American College of Surgeons is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.
- The American College of Surgeons designates this live activity for a maximum of 5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
- Of the *AMA PRA Category 1 Credits™* listed above, a maximum of 5 credits meet the requirements for Self-Assessment.

## Disaster Medical Emergency Preparedness (DMEP)

**Presenter:** UnityPoint Methodist Medical Center

**Session Time:** 8:00am to 4:00pm

**Location:** Iowa B & C

**Course Description and Objectives:** The American College of Surgeons Committee on Trauma (ACS COT) recognizes that a mass casualty event is not just another

busy night in an urban trauma center. Most surgeons have little or no background or experience in such circumstances. To fill this gap, the Committee on Trauma has developed this course to help surgeons and "acute care pros" develop the necessary skills, understand the language, and appreciate the structural transformation for effective response to mass casualties in disasters. This program is designed to stimulate thinking about how to become better prepared as individuals, professionals, organizations and health care systems.

- Understand the surgical problems, injury patterns and issues that may result from disasters.
- Discuss the role that surgeons and other acute care providers can play in planning for and response to mass casualty incidents and disasters.
- Become familiar with the terms and concepts of incident command.
- Understand the principles and challenges of disaster triage.
- Know the civilian and military assets available for support.

### Continuing Education:

The American College of Surgeons designates this educational activity for a maximum of 8.25 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.



# Breakout Session Information for Pre-Conference Training Day

Tuesday, August 28, 2018

## Preparedness 101

**Presenters:** Brent Spear, Alex Carfrae and Drew Barden

**Disclosures:** The speakers have no commercial interests to disclose.

**Session Time:** 9:00am to 3:00pm

**Location:** Ballroom South

**Course Description and Objectives:** This session provides participants with the basics of hospital and public health emergency preparedness in Iowa. This session will help participants understand the incorporation of the Hospital and Public Health capabilities with recommendations of the 2015 American College of Surgeons-Committee on Trauma review of Iowa's Trauma System and the 2015 National Highway Traffic Safety Administration review of Iowa's EMS system. The concept of service areas will be explored as well as the fundamentals of federal emergency preparedness requirements.

- Explain the history, purpose and what the future holds for the public health and hospital preparedness programs in Iowa.
- Examine the federal preparedness capabilities and Iowa EMS system standards and how they are related.
- Apply exercise requirements for the preparedness program.
- Explain the fiscal requirements and processes for the preparedness grants.
- Define System Development and how that works with public health and hospital preparedness.

### Continuing Education:

**Nursing CE:** 4.5 contact hours

**EMS CEH:** 6 hours optional education

## Pediatric ALS Skills: All the Procedures You're Afraid of, Plus the Ones that Actually Work

**Presenters:** Kelly Grayson, Julie Scadden, Larry Torrey

**Session Time:**

- **Session 1:** 9:30-11:30am
- **Session 2:** 12:30-2:30pm
- **Session 3:** 3:00-5:00pm

**Location:** Ballroom Central

**Disclosures:** Larry Torrey is a paid contract educator for the EZ-IO device by Teleflex, Inc.

**Course Description and Objectives:** Pediatric calls are among the most challenging and stressful for EMS

providers. Little airways, tiny veins and lack of familiarity with seldom-used procedures all serve to increase the provider's anxiety level. In this interactive scenario-based skills workshop, participants will practice pediatric resuscitation using the newest resuscitation equipment on high-fidelity pediatric ALS mannequins. We'll practice all the procedures you're scared of, plus the ones that actually work. (Limit 25 participants per session)

- Practice airway management and ventilation techniques, including BVM ventilations, endotracheal intubation and insertion of the laryngeal mask airway (LMA), Combitube, King LT, Cobra airway, and video laryngoscopy.
- Practice vascular access and medication administration techniques, including intravenous and intraosseous cannulation and mucosal medication administration.
- Practice interventions unique to special needs children, including tracheostomy care and replacement, infusion port access, PEG tube assessment and access, and VP shunt assessment.
- Discuss clinical pearls and tips for pediatric assessment, medication administration and airway management.

### Continuing Education:

**Nursing CE:** 2 contact hours

**EMS CEH:** 2 hours formal education per session



# Breakout Session Information for Pre-Conference Training Day

Tuesday, August 28, 2018

## EMS Medical and Service Director Training

**Presenter:** Merrill Meese

**Session Time:** 8:00am-noon

**Location:** Room 397

**Disclosures:** Speaker has no commercial interests to disclose.  
**Course Description and Objectives:** This training supplies EMS Medical Directors and Service Directors an interactive format to assist the medical director and service director in providing administrative oversight to maintain authorization as an Iowa EMS program.

- Describe the roles and responsibilities of the Iowa Department of Public Health regarding EMS.
- Review the roles, responsibilities and duties of the Medical Director and Service Director of an Iowa authorized EMS program as defined in Iowa Code Chapter 147A and Iowa Administrative Code (IAC) Section 641 Chapters 132 & 144.
- List the resources available to assist the EMS physician Medical Director and Service Director with managing/oversight of their respective system to maintain authorization.
- Review the AMANDA Registry System.
- Apply knowledge & information to given scenarios.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 3.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 4 hours formal education.

## Trauma Medical Director Training

**Presenter:** Dr. Gary Hemann

**Session Time:** 1:00-4:00pm

**Location:** Room 397

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** The objective of this training session is to educate trauma medical directors across the state of Iowa on job expectations and requirements. A review of the American College of Surgeon's Committee on Trauma criteria for verification of a trauma care facility will be presented. This training will be tailored for Level III and Level IV Trauma Care Facility Trauma Medical Directors. A review of Performance Improvement and Patient Safety (PIPS) processes, Multidisciplinary Trauma Peer Review processes, and Trauma Systems

Operations will be offered. This will be an excellent introductory course for a trauma medical director who desires some guidance on implementing a high quality trauma program at their facility.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 2.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 3 hours optional education.

## Mass Fatality Preparedness, Lessons Learned from the 1 October Incident in Las Vegas

**Presenter:** John Fudenberg

**Session Time:** 1:00-4:00pm

**Location:** Ballroom North

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** Mass Fatality Preparedness is a very complex process and medicolegal jurisdictions often do not have adequate staffing to manage mass fatality incidents themselves. It is imperative that multiple agencies come together to manage the very difficult processes necessary to serve the community during these challenging times. This course will highlight some of the strengths and challenges the Clark County Office of the Coroner/Medical Examiner experienced during the management of the 1 October Mass Shooting in Las Vegas, Nevada.

- Identify recommended government and non-government agency responsibilities during the management of a mass fatality incident.
- Describe the dynamics of a successful Family Assistance Center.
- Explain the importance of the need for a Missing Persons Call Center.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 2.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Nursing CE:** 2.75 contact hours

**EMS CEH:** 3 hours optional education.

# Breakout Session Information for Conference Training Day

Wednesday, August 29, 2018

## First General Session:

### 1 October Las Vegas Mass Shooting: Response and Lessons Learned

**Presenter:** Dr. Deborah Kuhls

**General Session Time:** 8:00-8:50am

**Location:** Iowa Hall

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** On October 1, 2017, a lone shooter fired over 1,000 rounds of ammunition from above into the crowd at the Route 91 Harvest Festival in Las Vegas, Nevada. Fifty-eight people were killed and more than 500 were injured. The Southern Nevada Trauma System acted to coordinate response and manage the medical needs of the injured. This presentation will examine the Las Vegas trauma system response and explore lessons learned and opportunities for improvement in the trauma system disaster plans.

- Differentiate between busy trauma day and mass casualty.
- Analyze the components and importance of a comprehensive trauma system.
- Review opportunities for improvement in trauma system.

#### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour optional education.

## First Round Breakout Sessions:

### Communication Strategies in the Iowa Trauma System

**Presenters:** Dennis Cochran, Susie Meyer, Alicia Smith, Barb Devaney

**Breakout Session Time:** 9:00-9:50am

**Location:** Ballroom South

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** Effective communication strategies across the continuum of care can mean the difference between the life and death of an injured patient. There are several effective communication strategies from dispatch through definitive care that have been implemented in the state of Iowa. Participants will

explore strategies from four different perspectives in the trauma system. Subject matter experts, based in Iowa, will discuss dispatch, Emergency Medical Services, and Rural and Urban Trauma Center strategies for effective communication in trauma care.

- Describe the importance of effective communication for a trauma patient.
- Describe the effective transfer of care of a trauma patient.
- Describe and implement the 60 seconds of silence program and its benefits.
- Illustrate implementation of a novel communication strategy in conjunction with EMS.

#### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour formal education.

### Traumatic Brain Injury and Concussion in the Emergency Department

**Presenters:** Larry Torrey

**Breakout Session Time:** 9:00-9:50am

**Location:** Ballroom Central

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** Traumatic Brain Injury (TBI) and concussion are common injuries that present to emergency departments throughout the US.

Over the past decade, new information from both military service members and professional athletes have required us to re-think our approach to this disease.

- Identify the pathophysiology behind TBI and concussion.
- Identify assessment findings that help us identify and differentiate these injuries.
- Discuss treatment measures that may improve outcomes in these patients.
- Utilize case scenarios to better understand common patient presentations.

#### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour formal education.



# Breakout Session Information for Conference Training Day

Wednesday, August 29, 2018

## Second Round of Breakout Sessions:

### Trauma Resuscitation: Translating Military Lessons Learned into the Civilian Sector

**Presenter:** Kathleen Martin

**Breakout Session Time:** 10:30-11:20am

**Location:** Ballroom South

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** This presentation will describe the strategies to translate military trauma system lessons learned from the battlefield to civilian trauma center care. The presentation will also describe civilian trauma system advances which have enhanced the military trauma system. Historical trends from WWI to the present will be reviewed with focus on wound and vascular injury care, burns, blood utilization, shock, development of modern body armor and the advancement of military evacuation.

- The participant will identify the importance of military trauma system across the continuum of care.
- The participant will identify the pivotal experiences in system wide military trauma care and its translation to civilian trauma care.
- The participant will recognize the existence of a military trauma system which translates to an organized civilian trauma system which is well positioned to emulate recent wartime trauma lessons learned and advance these lessons in interwar periods.

#### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour formal education.

### Bleeding Control from the Inside Out

**Presenter:** Larry Torrey

**Breakout Session Time:** 10:30-11:20am

**Location:** Ballroom Central

**Disclosures:** Speaker has no commercial interests to disclose.

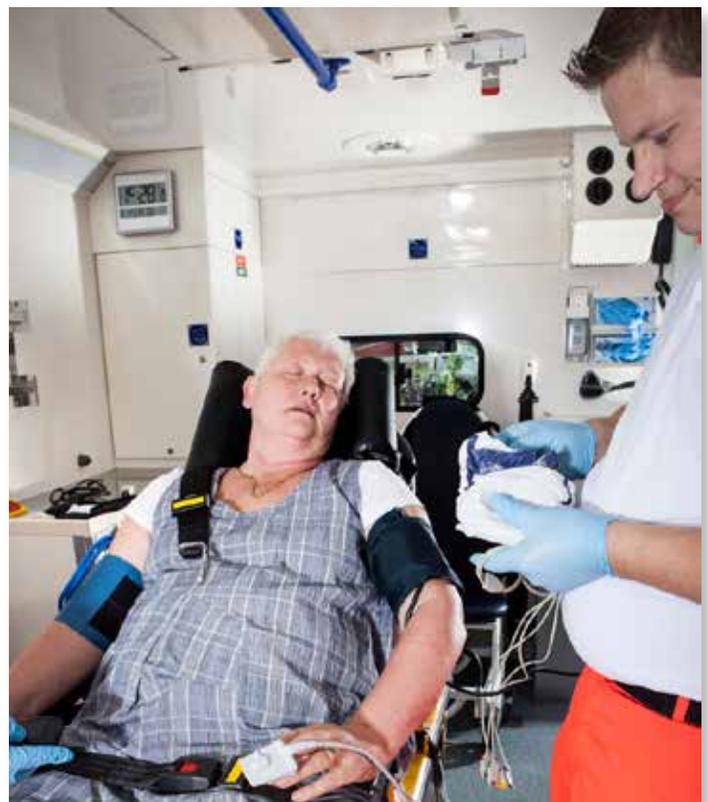
**Course Description and Objectives:** Hemorrhage control has been a foundation of emergency medicine throughout recorded history. New approaches are constantly under development, and trauma medicine has moved from bleeding control measures placed ON the wound to those placed INTO the body. Join us as we discuss Tranexamic acid (TXA), K-Centra, freeze-dried plasma and more.

- Describe the pathophysiology behind hemorrhage and hemorrhage control.
- Identify the latest measures to control severe bleeding.
- Utilize case scenarios to better understand common patient presentations.

#### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour formal education.



# Breakout Session Information for Conference Training Day

Wednesday, August 29, 2018

## Earthquakes and Lightning, Very, Very Frightening: Disaster Pre-Planning for Special Needs Patients

**Presenter:** Kelly Grayson

**Breakout Session Time:** 10:30-11:20am

**Location:** Ballroom North

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** You're an EMS agency administrator and there's a hurricane bearing down on your city. You have inter-agency agreements, cached supplies and resources, and a unified disaster plan. Your county is under a mandatory evacuation order, and you probably even have evacuation agreements with the local hospitals, nursing homes and care facilities. But there's one problem: not all of your at-risk patients are under one roof, nor can they evacuate on their own or shelter in place. How do you make sure they don't slip through the cracks? Join Kelly Grayson as he discusses how.

- Discuss the risks to technology-dependent patients in disaster-stricken areas.
- Discuss shelter facilities, supplies and infrastructure necessary for housing special needs patients.
- Discuss essential elements of a disaster and evacuation plan for special needs patients.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour formal education.

## Firearms and Violence in the US: A Consensus-Based Path Forward

**Presenter:** Dr. Deborah Kuhls

**Breakout Session Time:** 1:30-2:20pm

**Location:** Westview

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** In the United States, there is a perceived divide regarding the benefits and risks of firearm ownership. The American College of Surgeons Committee on Trauma Injury Prevention and Control Committee designed a survey to evaluate Committee on Trauma (COT) member attitudes about firearm ownership, freedom, responsibility, physician-patient freedom and policy, with the objective of using survey results to inform firearm injury prevention policy development. There appears to be agreement among healthcare providers that firearm-related violence is a public health problem and must be approached as such.

- Review the epidemiology of firearm and violent injuries and deaths in the US.
- Outline a consensus-based approach to decrease firearm and violent injuries and deaths in the US.
- Describe how healthcare providers and trauma centers can make a difference.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour optional education.



# Breakout Session Information for Conference Training Day

Wednesday, August 29, 2018

## Second General Session:

### Trauma Systems...Where We've Been and Where We're Going

**Presenter:** Dr. Stephen Flaherty

**Breakout Session Time:** 12:30-1:20pm

**Location:** Iowa Hall

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** This session traces the development of trauma systems from the 1960s to present to include civilian and military contributions along with the role of the Committee on Trauma of the American College of Surgeons.

- Recognize the symbiotic military-civilian contributions in trauma system development.
- Describe the evidence based advantage of care in trauma centers/systems.
- Describe the multidisciplinary nature of trauma system development.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour optional education.



## Third Round of Breakout Sessions:

### Trauma Performance Improvement: Simple Steps to Improve Outcomes

**Presenter:** Kathleen Martin

**Breakout Session Time:** 1:30-2:20pm

**Location:** Ballroom South

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** A concurrent Trauma Performance Improvement and Patient Safety Plan is the beginning of a successful trauma program. The recent release of the ACS STN Optimal Performance Improvement (PI) Plan presents a challenge to novice trauma center staff who are not familiar with the new expectation. Performance Improvement is the number one reason trauma centers fail their verification/accreditation site surveys. This presentation will outline a standardized approach to recurring care issues with the objective of minimizing unnecessary variation in care while allowing change in care easier to implement. The concurrent review of events (audit filters and complications) that deviate from an anticipated uneventful recovery from illness will be studied. The final outcomes should be improved classification of PI events which results in better-quality patient outcomes.

- Be able to define the components of an Optimal Trauma PI Plan and implement the plan in their trauma center to attain successful verification/accreditation.
- Integrate the new taxonomy classification system as it related to PI events in Iowa trauma centers.
- Develop targeted corrective action plans which will result in successful resolution events or identified opportunities for improvement while enhancing patient outcomes.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour optional education.

# Breakout Session Information for Conference Training Day

Wednesday, August 29, 2018

## Process Improvement in EMS... How Can We Make it Better?

**Presenter:** Dr. Craig Manifold

**Breakout Session Time:** 1:30-2:20pm

**Location:** Ballroom Central

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** Case studies, current techniques, and strategies to improve CQI, Process Improvement in the EMS environment will be presented.

Challenges and technologies to overcome these challenges will be discussed.

- Identify successful PI/CQI techniques in the EMS environment.
- Discuss what is considered current standards for EMS/trauma systems.
- List technologies which are successful in implementing and improving system based CQI/PI.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour formal education.

- Identify the security concerns a mass violence event presents

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour formal education.

## Lethal Triad

**Presenter:** Dr. Tish Jensen

**Breakout Session Time:** 10:30-11:20am

**Location:** Westview

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** The combined effects of hypothermia, metabolic acidosis and coagulopathy in the significantly injured trauma patient make up trauma's lethal triad. Participants will have the opportunity to identify best practices in identifying and managing these conditions to reduce mortality among the traumatically injured.

- Define 3 elements of the trauma triad of death.
- Describe physiologic effects of hypothermia.
- Identify key components of the coagulation cascade and anticoagulation effects.
- Identify contributing factors to acidosis.
- Define TEG and Interpret graphs.
- Describe premature fibrinolysis and clinical use of TXA.
- Understand current clinical application of reversal agents.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour formal education.

## The New Normal-Planning for Incidents of Mass Violence

**Presenter:** Dr. John Hick

**Breakout Session Time:** 1:30-2:20pm

**Location:** Ballroom North

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** Most mass casualty plans do not account for the specific supplies, training, security and surgical planning required by incidents of mass violence. Incidents of mass violence can generate large numbers of critically injured patients that are more likely to overwhelm a hospital's resources. The principles of triage, supply needs, security concerns and impact on healthcare workers are different from conventional mass casualty events. Focused planning, policies and training are necessary to enhance safe response.

- Analyze the difference in wounding between conventional mass casualty and mass violence events.
- Apply principles of primary and secondary triage.
- Integrate planning principles for staff and supply needs relevant to mass violence events.



# Breakout Session Information for Conference Training Day

Wednesday, August 29, 2018

## Fourth Round of Breakout Sessions:

### Recharge – A Culture to Care

**Presenter:** Lora K. S. Kracht

**Breakout Session Time:** 3:00-3:50pm

**Location:** Ballroom South

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** Different things can come to mind when “trauma” is referenced. Those in the medical field are used to thinking about trauma in a physical way, such as car accidents, gun or knife wounds, or major falls. There is also another kind of trauma—emotional or psychological trauma. Due to high rates of trauma in the population served, medical professionals have higher rates of burnout, secondary trauma and vicarious trauma. This session will share groundbreaking neurological and immunological research that identifies the science of the impact of trauma. Participants will learn steps to become a trauma informed health care setting and why it is critical for the overall health and well-being of not only the patients that are served, but also to the health of the providers. Participants will have an opportunity to hear about an Iowa clinic that has taken significant steps to become trauma informed and the positive difference it has made.

- Participants will illustrate the effect of trauma, the neurobiology of trauma, the ACEs study & culture of care in a health care/trauma/ER hospital setting.
- Participants will analyze cultural climate pitfalls and definitions of burnout, secondary trauma, vicarious trauma and re-traumatization.
- Participants will integrate concrete tools and solutions, next steps and resources into their practice.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour formal education.

### Vulnerable and Injured: Trauma in the Special Healthcare Needs Patient

**Presenter:** Kelly Grayson

**Breakout Session Time:** 3:00-3:50pm

**Location:** Ballroom Central

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** They're often technology dependent, frail, with limited physiologic reserves and limited ability to communicate where they hurt. Traumatic insult is stressful enough for the healthy and able bodied, but it can be especially deadly for children with special healthcare needs. Join Kelly Grayson as he discusses trauma in special populations.

- Discuss and describe obstacles to assessment and treatment in children with autism spectrum disorders and sensory processing disorders.
- Discuss and describe obstacles to assessment and treatment in children with common neurological disorders.
- Discuss and describe obstacles to assessment and treatment in children with common cardiovascular disorders.
- Discuss and describe obstacles to assessment and treatment of children with Down Syndrome.
- Discuss and describe assessment and treatment pearls and techniques for children with special healthcare needs.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour formal education.



# Breakout Session Information for Conference Training Day

Wednesday, August 29, 2018

## Crisis Standards of Care

**Presenter:** Dr. John Hick

**Breakout Session Time:** 3:00-3:50pm

**Location:** Ballroom North

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** In many situations, due to overwhelming numbers of patients or damaged infrastructure, it may not be possible to meet the needs of each patient. In these cases, a shift in usual strategies must occur that should offer the best benefit to the greatest number of patients. These crisis care strategies need to be integrated into response plans so that care providers are not left to invent these strategies on their own. This session will cover the ethical framework for crisis care as well as review key constructs and strategies for EMS and hospitals to consider integrating into their plans.

- Distinguish the differences between crisis standards of care and crisis care.
- Apply the conventional, contingency and crisis structure of surge capacity to planning activities.
- Integrate strategies for crisis care into EMS and hospital response plans.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour formal education.

## Trauma Case Studies

**Presenters:** Dr. Richard Sidwell, Dr. Stephen Flaherty, Dr. Craig Manifold

**Breakout Session Time:** 3:00-3:50pm

**Location:** Westview

**Disclosures:** Speaker has no commercial interests to disclose.

**Course Description and Objectives:** Through the use of case studies and an expert panel, care of the injured patient will be discussed, including the contribution/role of each layer of the state trauma system

- Describe the role of the various components of the Iowa Trauma System in the overall care of the severely injured patient.
- Discuss advantages and disadvantages of modes of transportation of injured people.
- Relate considerations in quality improvement across the trauma system

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour formal education.

## Third General Session:

### Boston Marathon Bombing 2013 – One Hospital’s Response

**Presenter:** Larry Torrey

**Breakout Session Time:** 4:00-4:50pm

**Location:** Iowa Hall

**Disclosures:** Larry Torrey is a paid contract educator for the EZ-IO device by Teleflex, Inc.

**Course Description and Objectives:** We all know that catastrophe can and does strike, but no one expects it to happen to them. On “Marathon Monday” in April 2013, this very thing happened to the participants and spectators of this famed race, and it quickly rolled in through the ER doors. Join me as we discuss the events and lessons learned from that day and those that followed. We will discuss the injuries, the effect on our staff, evacuating an ER during the event, and more.

- Review the events surrounding this days-long terrorist incident.
- Discuss the impact on ER and hospital staff.
- Identify lessons learned from a hospital response to a bombing event.

### Continuing Education:

**Physician CME:** The University of Iowa Carver College of Medicine designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**EMS CEH:** 1 hour optional education.



# Course Directors and Conference Speakers

## Course Directors

### **Dionne Skeete, M.D.**

Dr. Dionne Skeete is an Associate Professor of Surgery, Clinical Medical Director of Trauma Services and Medical Director of the Surgery Specialty Clinic at the University of Iowa Hospital and Clinics. Dr. Skeete completed a surgical residency at the University of Iowa in 2001 and a surgical critical care fellowship at the University of North Carolina in 2003. As a trauma surgeon and Interim Director of the level-I Trauma Center at the University of Iowa, Dr. Skeete participates in research projects related to various aspects of trauma management and prevention, including studies assessing the outcomes of patients presenting with infections, complications after trauma surgery, or prevention measures. Dr. Skeete serves as the chairperson for the Trauma System Advisory Council State Evaluation and Quality Improvement Sub-committee. She is also the Chair for the Committee on Trauma, Iowa Chapter of American College of Surgeons.



### **Richard Sidwell, M.D., FACS**

Trauma Surgery was Dr. Sidwell's very first experience as a surgical resident in 1993 and right away he knew this was the field for him. He likes to care for patients from the time of their injury and throughout their recovery. There is nothing more rewarding than caring for a critically injured patient and seeing a successful recovery. Dr. Sidwell has been with The Iowa Clinic since 2001. He has been involved with the American College of Surgeons Committee on Trauma for 16 years. Though he has held several roles, he is currently Chief of Region 7 which includes Iowa, Nebraska, Missouri and Kansas.



## Keynote Speakers

### **Deborah Kuhls, M.D., FACS**

Dr. Deborah Kuhls, Professor of Surgery, is a trauma surgeon and is board certified in general surgery and critical care. She also is Program Director of UNLV School of Medicine's Surgical Critical Care Fellowship Program and Medical Director of UMC's Trauma ICU. She has a passion for teaching medical students, residents and fellows. Dr. Kuhls' research interests include injury prevention of all types, including vehicular crash, firearm and other violence-related injuries, as well as disaster management, medical education, and the clinical care and outcomes of injured patients. Dr. Kuhls is active in many professional organizations and is the President of the Nevada Chapter of the American College of Surgeons, Chair of the American College of Surgeons Committee on Trauma Injury Prevention and Control Committee, and Treasurer of the Clark County Medical Society. She also serves on the Advocacy and Governmental Affairs Committees of multiple organizations.



### **Stephen Flaherty, M.D., FACS**

Dr. Stephen Flaherty is a trauma surgeon at Del Sol Medical Center in El Paso, Texas and Regional Medical Director in the Acute Care Surgery division of EmCare, Inc., where he provides clinical and administrative oversight to numerous trauma centers in all stages of development. Dr. Flaherty served on active duty with the United States Army for 22 years during which he established a Level I trauma center in San Antonio, TX and a Level II trauma center in Landstuhl, Germany, the first ACS Verified trauma center outside the United States. His Army experience brought him a broad experience across all levels of the trauma system including oversight of the trauma system in Iraq and Afghanistan as the Director of the Joint Theater Trauma System for nine months. Dr. Flaherty is a member of the American College of Surgeons Committee on Trauma where he participates on the Trauma Systems Evaluation and Planning Committee as well as the Performance Improvement and Patient Safety Committee. He is a member of the American Association for the Surgery of Trauma, the Eastern Association for the Surgery of Trauma, the Society of Critical Care Medicine, and the American College of Surgeons. He has numerous publications and presentations on topics in trauma and critical care.



# Conference Speakers

## Keynote Speakers

### Larry Torrey, RN, EMT-P

Larry Torrey is a Registered Nurse, Paramedic, and has been an EMS educator for more than 30 years. Larry has served as a United States Army Combat Medic, a civilian Paramedic, and after 25 years as an emergency department and trauma center RN, he is now a nurse manager at Boston Medical Center. Along with holding a Clinical Faculty position at Tufts University School of Medicine in Boston, Larry has been an instructor in Special Operations medicine for the U.S. military for the past 20 years. Larry volunteers with the Maine Homeless Veterans Alliance where he assists in bringing food, water and necessary supplies, as well as medical evaluation to area homeless encampments.



Coroner & Medical Examiners (IAC&ME) Board of Directors, and is the current Secretary of the IAC&ME. John is also a past commissioner of the National Commission on Forensic Science. John serves on the National Institute of Standards & Technology Organization of Scientific Area Committee, as well as Chairman of the Las Vegas Trauma Intervention Program. The Clark County Office of the Coroner/Medical Examiner was the primary agency for the fatality management of the 1 October incident and is also the agency which has the responsibility for family assistance center operations in Clark County, Nevada.

### Steven “Kelly” Grayson, NREMT-P, CCEMT-P

Kelly Grayson has been a Critical Care Paramedic and EMS Educator for 25 years. He teaches extensively in the “alphabet soup” disciplines such as ACLS, PALS, BLS, PHTLS, PEPP, GEMS, AMLS and so on, and has taught and administered all levels of EMT courses, from First Responder through Paramedic. Kelly is president of the Louisiana Association of EMS Educators and a board member of the LA Association of Nationally Registered EMTs. He currently works as a Critical Care Paramedic for Acadian Ambulance in southwest Louisiana, and is the EMS Education Coordinator for ACE4EMS. He is an award-winning columnist for EMS1.com and EMS World Magazine.

### Gary Hemann, D.O.

Dr. Gary Hemann started his medical career in Internal Medicine practicing in Creston, IA for nearly five years after graduating from medical school. He has worked in emergency medicine since 1988, in a variety of rural facilities, settling in Des Moines at Mercy Medical Center in 1999. He has been Medical Director and Chair of the Department of Emergency Medicine at Mercy for over a dozen years. Dr. Hemann is the Medical Co-Director of the Chest Pain Center and Director of the ED Observation Unit at Mercy. Dr. Hemann is the Emergency Medicine Liaison for Mercy’s Level 2 ACS Trauma Center and he is the Trauma Service Medical Director at Mercy West Lakes, a Level 4 TCF, since 2009. Dr. Hemann is active with the Iowa Chapter of the American College of Emergency Physicians, where he has served on the Board of Directors for nearly 20 years. Dr. Hemann represents Emergency Medicine on the Medicare Career Advisory Committees,

## General Session Speakers and Facilitators

### Dennis Cochran, RN, BSN, CFRN, CMTE

Dennis is the Program Manager for Mercy One, an air medical service located in central Iowa. The program operates two helicopter bases located at Mercy Medical Center in Des Moines and the Knoxville Airport at Knoxville, Iowa. Additionally, Dennis manages the Pediatric Transport Team and Mercy Communications. Dennis has over 20 years of nursing experience, which include flight nursing, emergency department, critical care, cardiology and oncology. He started his medical career as a volunteer in his local community as a first responder while continuing his education through multiple levels of EMT and Paramedic and has approximately nine years of pre-hospital experience prior to becoming a nurse. Dennis has national certifications of the Certified Flight Registered Nurse and Certified Medical Transport Executive.

### John Fudenberg, D-ABMDI

John Fudenberg is the Coroner for the Clark County Office of the Coroner/Medical Examiner (CCOCME) and has been with the office since 2003. Mr. Fudenberg brings 25-plus years of law enforcement and public service experience to the position, working in Anoka County, MN and for the city of Las Vegas, Nevada prior to continuing his career with Clark County. John is a Diplomat with the American Board of Medicolegal Death Investigators. He is the past president of the International Association of

# Conference Speakers

## General Session Speakers and Facilitators

the Iowa Medical Society Medical Services and Legislative Committees, the Iowa Trauma System Advisory Council (TSAC), State Evaluation Quality Improvement Committee and the Verification Sub-Committee of TSAC. Dr. Hemann has been active with Trauma Verification On-site visits for 15 years. He is an active representative and member of the Metro STEMI task force and stroke work group for the Des Moines Metro area. He is also a member of the active response team for Biologic Agent and Disaster Care at Mercy.

### **John Hick, M.D.**

John L. Hick is a faculty emergency physician at Hennepin County Medical Center (HCMC) and a Professor of Emergency Medicine at the University of Minnesota Medical School. He serves as the Associate Medical Director for Hennepin County Emergency Medical Services and Medical Director for Emergency Preparedness at HCMC. He is also the Assistant Medical Director and Vice Chair of the Clinical Council for LifeLink III. He served the Minnesota Department of Health as the Medical Director for the Office of Emergency Preparedness from 2002-2014 and currently works part-time for US Health and Human Services (HHS/ASPR) as an Advisor to the Director of the Office of Emergency Management. He is an expert on hospital preparedness and crisis medical care issues and has published over 50 peer-reviewed papers dealing with hospital preparedness for contaminated casualties, disaster standards of care, and surge capacity. John also has a strong interest in rotor-wing and fixed wing medical care and worked in 1998 for the Royal Flying Doctors Service in rural Queensland, Australia, performing fixed-wing retrievals across a large area of outback Australia from the Mt. Isa base. In his spare time, he practices disaster mitigation, response and recovery at home with his two daughters ages 14 and 17.

### **Tish Jensen, MD, FACS**

Natisha N. Jensen, MD, FACS is a trauma surgeon at Mercy Medical Center in Des Moines, Iowa. Dr. Jensen graduated from University of Iowa Roy J. & Lucille A. Carver College of Medicine in 2000 and completed her residency at the University of Iowa Hospitals and Clinics in 2005. Dr. Jensen's areas of expertise include acute care surgery, surgery resident education, spine access surgery,

bloodless medicine and surgery, and complex antireflux and diaphragmatic hernia repair. Dr. Jensen is a Fellow of the American College of Surgeons, a member of the ACS-COT, Iowa Chapter, and serves on the Iowa Medical Society.

### **Lora K. S. Kracht, MS, ALOP**

Lora K.S. Kracht has worked in education and social services for the last 30 years and recently started work at the Iowa Department of Public Health - Bureau of HIV, STD, and Hepatitis C and with Prevent Child Abuse Iowa in Connections Matter. Lora's role as the Trauma Informed Prevention and Care Coordinator brings together the many parts of her training and education in prevention, psychological trauma, Adverse Childhood Experiences (ACE) experiences, community connections, and the passion for everyone to have the tools to work towards optimal mental health. Her vast experiences in working with high risk populations and refugee communities provides her with a wealth of knowledge to help guide conversations and to implement the changes to become a more resilient and connected community of Iowans serving Iowans.

### **Craig Manifold, DO, FACEP, FAAEM, FAEMS**

Craig A Manifold, DO, is a board certified Emergency and EMS physician who is active in EMS and emergency health-care system development. He has been active in trauma and EMS research throughout his career with multiple national and international publications and presentations. He participates in the Eagles Coalition (a collaborative network of EMS physicians from the nation's 50 largest municipalities) and he serves as a member of the Board of Directors of the National Registry of EMTs, Medical Director for the National Association of EMTs, and Joint Surgeon, Texas National Guard. Dr. Manifold is the former Committee Chair of the American College of Emergency Physicians EMS Committee and medical director for the San Antonio Fire Department.

# Conference Speakers

## General Session Speakers and Facilitators

### **Kathleen Martin, MSN, RN**

Kathleen Martin has over 38 years of experience in trauma and critical care delivery. She earned her Bachelor of Science in Nursing from Temple University in Philadelphia and her Master of Science Degree as a Trauma Clinical Nurse Specialist from the University of Pittsburgh. Ms. Martin started her trauma career as a surgical intensive care nurse. She then moved on to work as the Trauma Program Manager at the Hospital of the University of Pennsylvania. Ms. Martin then spearheaded the development of Martin Trauma Associates in 2001, a trauma center and system development consulting organization. As CEO, she assisted numerous national trauma centers and systems in optimizing trauma and acute care surgery outcomes. In 2006, she took on the role of Trauma Nurse Director at the United States Army military hospital in Germany, Landstuhl Regional Medical Center. Ms. Martin was recruited to the US Army Europe Evacuation Facility to facilitate development as a verified trauma center, which was the first hospital outside of the United States to be verified as a Level II trauma center in 2007 and then subsequently rose to a Level I in 2011. On her return to the United States in 2014, she took the position of Director, Clinical Programs for the leading trauma registry organization, Digital Innovation, Inc. She has also worked as the Trauma Program Manager at Lankenau Medical Center, a Level 2 PTSF accredited trauma center. Ms. Martin's reach has also been international, consulting and training trauma colleagues in the Germany, Hungary, Italy, United Kingdom, Afghanistan, France, Sweden, Australia, Qatar, United Arab Emirates, Columbia, Brazil and Chile. Currently, she is the Regional Director of Trauma Services at the University of Colorado Health System Medical Center of the Rockies in Loveland, Colorado.

Kathleen has served as a member of the Board of Directors for the Society of Trauma Nurses (STN) for over 18 years and was the 2000-2001 President of the STN. She is former Editor-in-Chief of the Journal of Trauma Nursing, and was a member of the JTN Editorial Review Board. She just completed her term as the national chair of the TOPIC Committee (Trauma Outcomes and Performance Improvement Course) which she headed from 2008-2014. She is both a national and international instructor and taught over 75 TOPIC courses around the world. During her term as

STN TOPIC Chair she collaborated with the ACS COT to revise the TOPIC curriculum to incorporate the new performance improvement taxonomy which is endorsed by the Joint Commission. She is also an associate member of the American College of Surgeons, and one of the original nurse members (associate member) of the Eastern Association for the Surgery of Trauma (EAST). In 2013-14 she was appointed to the Florida Surgeon General to the Governor's Statutory Review Ad Hoc Committee to review trauma statues and standards for their trauma system. She was the only US member asked to participate and become faculty for the European disaster management course Medical Response to Major Incidents (MRMI/ MACSIM) and became a certified instructor in 2012. Kathleen is also an ATCN Instructor (STN's Advanced Trauma Care for Nurses) and a DMEP instructor (ACS's Disaster Management and Emergency Preparedness Course). Kathleen has been invited faculty for numerous trauma related lectures, workshops and training seminars both in national and international forums. She has authored more than 50 articles/abstracts/posters in peer review journals and been an invited presenter at over 100 trauma professional meetings worldwide.

### **Michael McGonigal, M.D.**

Dr. McGonigal has been interested in trauma since his undergraduate years at Oberlin College in Ohio. He graduated from the Ohio State University College of Medicine in 1982. He pursued residency training in General Surgery with an emphasis in trauma care at the Wayne State University in Detroit, Michigan. He performed trauma research under the mentorship of Charles Lucas MD and Anna Ledgerwood MD. After completing his training, Dr. McGonigal was recruited by the University of Pennsylvania to join two other trauma surgeons in founding the PennStar Trauma Center in 1987. This program has grown significantly and is now an internationally recognized leader in trauma care and research. Dr. McGonigal moved to Minnesota in 1993 to become the Director of Trauma Services for the St. Paul Ramsey Medical Center, which subsequently changed its name to Regions Hospital. He is the chief trauma surgeon, and oversees both the Level I Adult and Level I Pediatric Trauma Centers. He has served on the board of directors and on multiple committees in national trauma organizations. Dr. McGonigal lectures across the country on trauma-related topics and is

# Conference Speakers

## General Session Speakers and Facilitators

involved in the development of state trauma systems. He also serves as a trauma center reviewer for the American College of Surgeons and several state trauma systems.

Dr. McGonigal also has a life outside the hospital. He has been a licensed pilot for 35 years and is a trained chef. He enjoys spending time cooking with his wife and son. He also has a strong interest in technology and internet applications, and is constantly working to integrate them into medical and trauma care. He is the author of the Trauma Professional's Blog ([TheTraumaPro.com](http://TheTraumaPro.com)), and also publishes the monthly Trauma MedEd newsletter ([TraumaMedEd.com](http://TraumaMedEd.com)).

### Julie Scadden, EMT-P

Julie "Jules" Scadden has been involved in EMS for over 26 years and currently serves as the Director of EMS for the Dysart Ambulance Service, an all-volunteer ambulance service in Dysart, IA. Jules also currently serves as co-chair on the Iowa EMS-C Advisory Council, and serves as EMS-C HRSA Family Representative. She is a member of the National Scope of Practice Model Review Expert Panel; serves as the Service Director Representative on the Iowa Quality Assurance and Scope of Practice Committee; and is Vice-Chair of the National Volunteer Fire Council-EMS/Rescue Section. Jules is an EMS Educator and presenter at regional, state and national EMS conferences with a focus on Pediatrics and Children with Special Healthcare Needs. Jules is a reviewer and writer of EMT Texts including co-author of Fundamentals of Basic Emergency Care, 3rd edition and contributing author Prehospital Care Pearls and Pitfalls.

### Susie Meyer, BSN, RN

Susie Meyer, BSN, RN, is the Emergency Department and Outpatient Services Supervisor at Community Memorial Hospital in Sumner, Iowa. She earned her bachelor's degree at Allen College of Nursing in 2002. She began her career at Community Memorial Hospital shortly after graduation in the spring of 2002 in the Medical Surgical Department. In the fall of 2002, she became the Supervisor of the Outpatient Cardiac Rehabilitation Department. During her eight years in this position, Phase II Pulmonary Rehabilitation and the Healthy Opportunities for Personal Enhancement (H.O.P.E.) program were developed and

added as well. In 2010 she became the Emergency Department and Outpatient Services Supervisor and retains that position today. In 2016 she earned recognition as one of the Top 100 Nurses in the state of Iowa.

### Alicia Smith, EMT-P

Alicia Smith is a paramedic and AHA Instructor. She has been in the EMS field for 18 years and received her paramedic certification in 2011. She is an AHA Instructor that certifies not only the Sumner EMS crew, but local businesses and public citizens. Alicia enjoys being able to help the community through the medical health field. Alicia has been the Director of Sumner Emergency Medical Services, Inc. for the past two years.







June 2018



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