

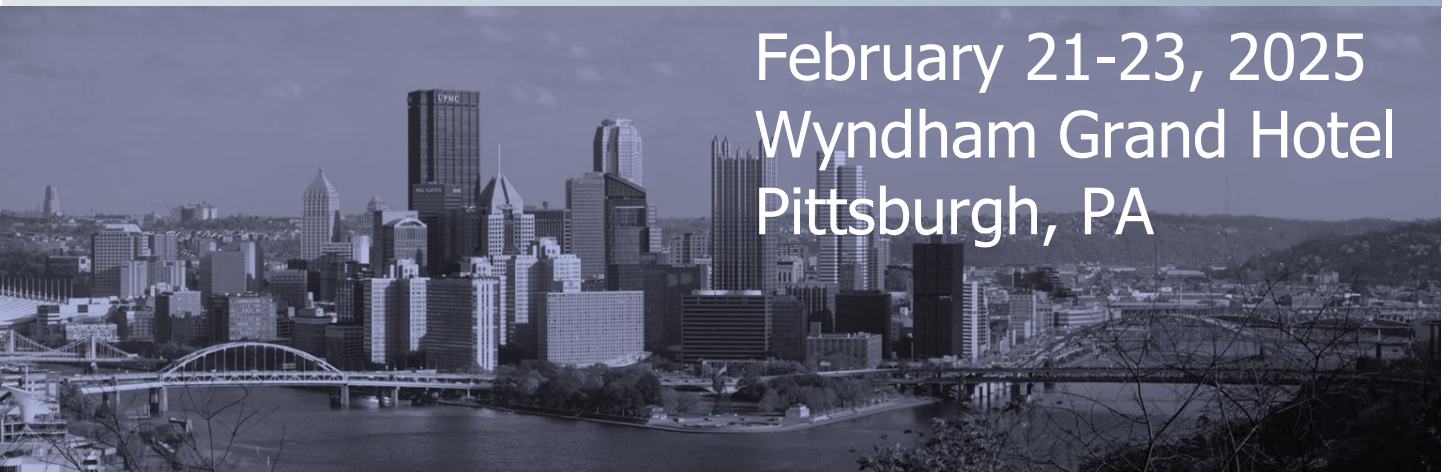


NCEMSF

2025

The 32nd Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation

February 21-23, 2025
Wyndham Grand Hotel
Pittsburgh, PA



About the National Collegiate Emergency Medical Services Foundation

President's Welcome

I am pleased to welcome you to the National Collegiate EMS Foundation (NCEMSF) Conference. For thirty-two years, our conferences have focused on strengthening campus-based Emergency Medical Services. The educational experience gained from the workshops and sessions, combined with networking opportunities, will enable you to learn and exchange ideas. We hope you return to your campus energized with new initiatives to implement and creative solutions to problems you may encounter in the future. I look forward to meeting you at the conference.

Sincerely,

George J. Koenig, Jr., DO, NCEMSF President

Mission Statement

The National Collegiate Emergency Medical Services Foundation's (NCEMSF) purpose is to support, promote, and advocate Emergency Medical Services (EMS) on college and university campuses. The Foundation is committed to the advancement of existing response groups and assisting in the development of new response groups. The Foundation provides a forum for the exchange of ideas of campus-based emergency response issues. To these ends, the Foundation is committed to scholarship, research and consultancy activities and to creating a safer environment on college and university campuses.

NCEMSF History

In the early 1990s, with the widespread use of computers linked via the precursor to the Internet, e-mail communication among campus emergency responders was commonplace. For readers of the emergency services Usenet group (misc.emerg-services) and its related e-mail list (EMERG-L), there was occasionally a thread about campus-related EMS. However, discussions about campus EMS were frequently shunned as inappropriate or obscure. As a result, the campus EMS groups were isolated since there was no good forum where they could openly communicate.

In 1993, in response to a need for information exchange among campus EMS groups, the National Collegiate EMS Foundation (NCEMSF) was established. A loosely associated nationwide group of campus responders was formally brought together by Jon Diorio of Georgetown University (Washington, DC) and others.

Filling a niche, NCEMSF quickly grew. In April 1994, NCEMSF held its first conference at Georgetown University. Representatives from over twenty campus EMS organizations spent the weekend of April 8-10 learning about EMS and networking with each other. Since 1994, annual conferences have been a cornerstone of NCEMSF. Networking and exchanging information among campus emergency responders remain the Foundation's primary goals.

Volunteer Leadership

Board of Directors

President: George J. Koenig, Jr., DO

Vice President: Scott C. Savett, PhD

Secretary: Joshua A. Marks, MD, FACS, FCCM

Treasurer: Yoni Litwok, MD

Division and Program Coordinators

Membership: Karolina A. Schabzes, MPH

National Coordinator: Lucas Rappert, DO, MS, MA

Startup: Joseph M. Grover, MD, FACEP, FAEMS

Asst. Startup: Zachary Gant, NRP, CCEMT-P

Online Education: Zachary Matuzsan, DO

Alumni: Joshua E. Glick, MD, FACEP

EMS Week: Jeffrey J. Bilyk, ACP(f)

Emergency Management: Eric Pohl, MS, NRP

Emergency Management: Ryan M. Hay, MSN, PHRN

Information Technologist: Timothy J. McMichael, NRP

Webmaster: Ian Feldman, FF/LP

Skills Classic: Michael Rounding

Skills Classic: Paul Stromme, BHSc(P), ACP

Special Operations: Stephen J. Lanieri

JCEMS Editor-In-Chief: Ernest Wang

Regional Coordinators

Canada: POSITION AVAILABLE

Central: Laura Hanson, DO

Massachusetts: David Afienko, DO

Asst. Massachusetts: Joseph Mendes, BS, AEMT

Mid-Atlantic: Gabe Gan, MPH, NRP

Asst. Mid-Atlantic: Jack Childs

Midwest: POSITION AVAILABLE

New England: Meghann Zapcic-Desrochers, MD

Asst. New England: Jack Dunn

New York: Matthew D. Ricci, MPA

Asst. New York: Emily Locke, BS

North Central: Kris Kurtz

Pennsylvania: Catherine Gibbs, BSN, RN, PHRN

Asst. Pennsylvania: Nicholas Melchiorre

Southeast: Sarah Torzone, EMT-P

Asst. Southeast: Sophia Dhrolia, BS, NRP

West: Tom Renner, MD

Asst. West: Joseph Gocke

To join our team, please visit ncemsf.org/apply

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Conference History

NCEMSF Conferences were originally hosted by Institutional Members. Representatives from the host squad would secure speakers, arrange lodging, and develop the program. However, as the NCEMSF annual conference grew, NCEMSF leadership took over organizing and running the weekend long event. Below are the locations of past NCEMSF Conferences:

1994: Washington, DC (Georgetown University)
 1995: Philadelphia, PA (Villanova University)
 1996: Albany, NY (Rensselaer Polytechnic Institute)
 1997: Huntington, WV (Marshall University)
 1998: Hartford, CT (Univ. of Hartford and Trinity College)
 1999: Syracuse, NY (Syracuse University)
 2000: Newark, DE (University of Delaware)
 2001: Rochester, NY (Rochester Institute of Technology)
 2002: Long Island, NY (SUNY Stony Brook)
 2003: Washington, DC (George Washington University)
 2004: Baltimore, MD (Johns Hopkins University)
 2005: Philadelphia, PA (Villanova Univ. and Ursinus Col.)
 2006: Boston, MA (Brandeis, Boston Univ., MIT, and Tufts)
 2007: Baltimore, MD (UMBC and Johns Hopkins Univ.)

2008: Philadelphia, PA
 2009: Washington, DC
 2010: Baltimore, MD
 2011: Philadelphia, PA
 2012: Baltimore, MD
 2013: Washington, DC
 2014: Boston, MA
 2015: Baltimore, MD
 2016: Philadelphia, PA
 2017: Baltimore, MD
 2018: Philadelphia, PA
 2019: Pittsburgh, PA
 2020: Boston, MA
 2021: Virtual (COVID-19)

2022: Pittsburgh, PA
 2023: Boston, MA
 2024: Baltimore, MD
 2025: Pittsburgh, PA

**Save the Date for
 the 33rd Annual
 NCEMSF
 Conference
 February 2026**

NCEMSF Social Media

Share your Conference experience on social media with the hashtag #NCEMSF and be sure to follow us!



facebook.com/NCEMSF



@NCEMSF



@ncemsf.org



@NCEMSF



NCEMSF



NCEMSF

Conference Policies

The following exist to ensure a safe and enjoyable conference experience for all attendees:

1. Conference ID badges are required for entry to conference lectures and events and are to be worn by attendees at all times while on the conference premises.
2. Attendees are expected to conduct themselves as the adult professionals that they are and to display the same degree of decency and respect toward other conference attendees, hotel guests, and staff that they would exhibit while responding to campus medical emergencies and interacting with patients.
3. Noise production is to be kept to a level appropriate to an indoor hotel environment and is to be respectful of the hour and considerate of the surroundings.
4. The consumption of alcohol by those younger than the federal legal minimum drinking age of 21 years as well as the use of drugs or other illegal substances by attendees of any age is strictly prohibited. Open containers containing alcohol are also forbidden in all conference common areas.
5. Common areas and private rooms of the host facility are to be left in the same fashion in which they were found upon arrival. Any damage to, or destruction of, property will be the financial responsibility of the offending individuals.
6. Participation in conference lectures and activities grants permission for the use of one's image in NCEMSF publications, promotional materials, social media posts and website.
7. Conference speakers are experts in their given fields. The information they present and opinions they express, however, are not necessarily those of NCEMSF. Attendees are reminded to follow their prescribed operating procedures and to contact their agency's medical director before changing medical protocol.

The aforementioned apply in addition to stated policies of the host facility as well as local and federal laws. Failure to comply with any of the above may result in eviction from the conference and/or hotel without a refund. Additionally, civil and/or criminal penalties may apply.

Your conference participation attests to your acceptance of the policies listed.

Safety and Security of Attendees

In addition to striving for high-quality educational experiences, NCEMSF also takes steps to ensure the safety and security of attendees at NCEMSF activities.

In the event of a medical emergency, please contact **9-1-1** for emergency services. We would also appreciate it if you notified an NCEMSF staff member so that we can assist.

The hotel has an AED located in the ground floor lobby, across from the Business Center. During conference programming hours, NCEMSF staff will have a bleeding control kit at the Conference check-in desk.

NCEMSF also contracts with law enforcement officers and private security companies. These individuals are primarily present for the safety of our attendees, but they may also assist with enforcing the Conference Policies outlined above. Please heed their directions and instructions regarding Conference Policies and acceptable behavior.

NCEMSF encourages all participants to take appropriate precautions to keep themselves and others safe and healthy. If you are not feeling well during the Conference, please reconsider your attendance. If you become ill during the Conference, isolate yourself as much as possible to protect yourself and others. Hand sanitizer and surgical-style face masks are available at the Conference check-in desk, and those wishing to mask are encouraged to do so.

Host Facility:

Wyndham Grand Pittsburgh Downtown
600 Commonwealth St, Pittsburgh, PA 15222
412-391-4600

NCEMSF:

1-877-NCEMSF-1 (877-623-6731)

Schools in Attendance

At the time of publication, the following 106 universities (1,300+ delegates) had registered (**Bold** - Milestone Anniversary; *italics* - New Group Initiative scholarship recipient):

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCEMSF Region</u>	<u>Type</u>	<u>Sub-Type</u>
Appalachian State University	7	NC	Southeast	BLS	QRS
Bard College	8	NY	New York	BLS	QRS
Bates College	1	ME	New England	BLS	QRS
Binghamton University	29	NY	New York	ALS	Ambulance Transport
Boston College	6	MA	Massachusetts	BLS	QRS
Brandeis University	10	MA	Massachusetts	BLS	QRS
Brigham Young University	6	UT	Central	BLS	QRS
Brown University	12	RI	New England	ALS	Ambulance Transport
Bucknell University	6	PA	Pennsylvania	BLS	QRS
Carleton University	16	ON	Canada	FR	QRS
Carnegie Mellon University	25	PA	Pennsylvania	BLS	QRS
Case Western Reserve University	25	OH	Midwest	BLS	Ambulance Transport
Clark University	11	MA	Massachusetts	FR	QRS
Clarkson University	13	NY	New York	BLS	QRS
College of Charleston	4	SC	Southeast	ILS	Ambulance Transport
Colorado College	4	CO	Central	BLS	QRS
Columbia University	12	NY	New York	BLS	Ambulance Transport
Cornell University	15	NY	New York	BLS	QRS
Drexel University	14	PA	Pennsylvania	BLS	QRS
Duke University	14	NC	Southeast	BLS	QRS
Eastern Arizona College	5	AZ	Central	EDU	Education Only
Eckerd College	13	FL	Southeast	FR	QRS
Emory University	9	GA	Southeast	ILS	QRS
Florida Institute of Technology	3	FL	Southeast	BLS	Event Standby
Fordham University	16	NY	New York	BLS	Ambulance Transport
Franklin and Marshall College	5	PA	Pennsylvania	BLS	QRS
Georgetown University	17	DC	Mid-Atlantic	BLS	Ambulance Transport
Georgia Institute of Technology	10	GA	Southeast	BLS	QRS
Gettysburg College	4	PA	Pennsylvania	BLS	QRS
Harvard University	8	MA	Massachusetts	BLS	Event Standby
Hobart and William Smith Colleges	12	NY	New York	BLS	QRS
Indiana University - Bloomington	5	IN	Midwest	BLS	Event Standby
John Carroll University	4	OH	Midwest	BLS	QRS
Johns Hopkins University	21	MD	Mid-Atlantic	BLS	QRS
Lafayette College	4	PA	Pennsylvania	BLS	QRS
Lehigh University	8	PA	Pennsylvania	BLS	QRS
Loyola Marymount University	9	CA	West	BLS	QRS
Macalester College	7	MN	North Central	BLS	QRS
Massachusetts Institute of Technology	15	MA	Massachusetts	BLS	Ambulance Transport
McGill University	20	QC	Canada	FR	QRS
McMaster University	36	ON	Canada	BLS	Non-Emergent Transport
<i>Miami University of Ohio</i>	2	<i>OH</i>	<i>Midwest</i>	<i>Startup</i>	
Muhlenberg College	11	PA	Pennsylvania	BLS	QRS

Schools in Attendance

<i>New Jersey Institute of Technology</i>	4	NJ	<i>Pennsylvania</i>	<i>Startup</i>	
Northeastern University	9	MA	Massachusetts	Startup	
Norwich University	7	VT	New England	BLS	Non-Emergent Transport
Quinnipiac University	8	CT	New England	BLS	QRS
Rensselaer Polytechnic Institute	14	NY	New York	BLS	Ambulance Transport
Rice University	8	TX	Central	ILS	QRS
Rochester Institute of Technology	10	NY	New York	BLS	Ambulance Transport
Rowan University	10	NJ	Pennsylvania	BLS	Ambulance Transport
Saint Anselm College	7	NH	New England	BLS	QRS
Saint Michael's College	4	VT	New England	ALS	Ambulance Transport
Santa Clara University	2	CA	West	BLS	QRS
<i>Smith College</i>	2	<i>MA</i>	<i>Massachusetts</i>	<i>BLS</i>	<i>QRS</i>
St. Bonaventure University	6	NY	New York	BLS	QRS
St. Lawrence University	7	NY	New York	BLS	QRS
St. Olaf College	8	MN	North Central	BLS	QRS
SUNY Canton	6	NY	New York	BLS	QRS
SUNY Geneseo	4	NY	New York	BLS	QRS
SUNY Oneonta	7	NY	New York	BLS	QRS
SUNY Oswego	12	NY	New York	BLS	Ambulance Transport
SUNY Stony Brook	25	NY	New York	ALS	Ambulance Transport
Syracuse University	7	NY	New York	BLS	Ambulance Transport
Texas A&M University	12	TX	Central	BLS	QRS
<i>The College of New Jersey</i>	4	<i>NJ</i>	<i>Pennsylvania</i>	<i>BLS</i>	<i>QRS</i>
The George Washington University	22	DC	Mid-Atlantic	BLS	Ambulance Transport
The University of Texas at Dallas	13	TX	Central	BLS	QRS
Tufts University	6	MA	Massachusetts	BLS	QRS
Union College	1	NY	New York	BLS	QRS
University at Albany, NY	16	NY	New York	BLS	Ambulance Transport
University of Arizona	7	AZ	Central	BLS	QRS
University of California - Los Angeles	6	CA	West	BLS	Ambulance Transport
<i>University of California - San Diego</i>	2	<i>CA</i>	<i>West</i>	<i>Startup</i>	
University of Colorado at Boulder	10	CO	Central	BLS	Event Standby
University of Dayton	12	OH	Midwest	BLS	Ambulance Transport
University of Delaware	40	DE	Mid-Atlantic	BLS	Ambulance Transport
University of Florida	13	FL	Southeast	BLS	QRS
University of Guelph	16	ON	Canada	BLS	QRS
University of Maine	10	ME	New England	ALS	Ambulance Transport
University of Massachusetts Amherst	31	MA	Massachusetts	BLS	QRS
University of Massachusetts Lowell	12	MA	Massachusetts	BLS	QRS
University of New England	11	ME	New England	BLS	QRS
University of New Hampshire	7	NH	New England	ALS	Ambulance Transport
University of North Carolina at Chapel Hill	8	NC	Southeast	Startup	
University of Pennsylvania	27	PA	Pennsylvania	BLS	QRS
University of Pittsburgh	24	PA	Pennsylvania	EDU	Event Standby
University of Rhode Island	29	RI	New England	BLS	Ambulance Transport

Schools in Attendance

University of Richmond	8	VA	Mid-Atlantic	BLS	QRS
University of Rochester	12	NY	New York	BLS	QRS
<i>University of South Carolina</i>	<i>3</i>	<i>SC</i>	<i>Southeast</i>	<i>Startup</i>	
<i>University of Tennessee Knoxville</i>	<i>2</i>	<i>TN</i>	<i>Southeast</i>	<i>Startup</i>	
University of Vermont	9	VT	New England	ALS	Ambulance Transport
University of Washington	10	WA	West	Startup	
Villanova University	17	PA	Pennsylvania	BLS	Ambulance Transport
Virginia Military Institute	6	VA	Mid-Atlantic	Startup	
Virginia Polytechnic Institute and State University	12	VA	Mid-Atlantic	ALS	Ambulance Transport
Wake Forest University	16	NC	Southeast	BLS	QRS
Washington University - St. Louis	8	MO	Central	BLS	QRS
West Chester University	5	PA	Pennsylvania	BLS	Ambulance Transport
Western Carolina University	4	NC	Southeast	BLS	Ambulance Transport
Western University	28	ON	Canada	BLS	QRS
Whitman College	4	WA	West	BLS	QRS
Yale University	8	CT	New England	BLS	Event Standby

Programming Information

About NCEMSF Lectures, Roundtables, and Skills Labs

All lectures at the NCEMSF conference strive to expand a collegiate EMS provider's scope of knowledge. We believe that you are the future healthcare leaders. Therefore, we encourage our speakers to present information at a level that challenges you to reach beyond the scope of a traditional EMT class. While some of our lectures will review basic EMT skills, most lectures will strive to provide additional information designed to foster leadership and convey advanced medical knowledge.

Sessions are open to all. However, seating in all rooms is intentionally limited, so plan ahead to avoid being shut out of a lecture you want to hear. In deciding which lectures to attend, consider your personal and your squad's needs. For example, new startup organizations may wish to prioritize lectures in the administrative/leadership genre. Larger groups in attendance may want to divide up so that delegates attend multiple lectures rather than all sitting together in one lecture session.

Lightning Talk Sessions offer three 15-minute high-yield, fact-filled talks, exposing attendees to various relevant topics. Each block of three sessions is considered one lecture for Continuing Education purposes.

Roundtable and Panel Discussions allow squads to network formally with their fellow schools and discuss issues facing their organizations. NCEMSF Leadership will moderate conversations specific to various campus-based EMS core issues, providing a forum for communication and creating an environment where ideas can be exchanged and problems solved. Roundtables are limited to one or two representatives per school and are ideally attended by current or aspiring leadership. Panels are open to a wider audience and provide an opportunity to directly ask questions of your peers and colleagues. Share your successes and failures and learn from one another. Continue conversations throughout the conference weekend and the year.

Skills Labs provide an opportunity for hands-on learning in a small-group environment. As such, these sessions are **limited to 25 participants**. Sign-ups for these Skills Labs are online only at ncemsf.org/skills-labs beginning at 7 AM on Saturday. Sign-up will no longer be available once a Skills Lab has reached capacity. All attendees must register themselves individually.

- To register:
 - Log into the NCEMSF website.
 - Pick the Conference Skills Labs link from the Conference menu.
 - Select one Skills Lab and add it to the cart. From the cart page, press Finish to finalize your registration.
 - If you wish to sign up for additional Skills Labs, return to the Conference Skills Lab link under the Conference menu and repeat this process.
- To ensure that skills labs are available to all attendees, you are limited to **one sign-up per transaction**. In addition, the system will not let you sign up for two simultaneous Skills Labs.
- For Skills Labs that have reached capacity, no formal waiting list is available. In place of a waiting list, you may form an orderly line outside the Skills Lab room, and the proctor or instructor will let in additional students as space allows.

Continuing Education Credit

All NCEMSF conference sessions are eligible for continuing education provided through the Texas Department of State Health Services (CE License Number 600865). The Texas DSHS uses CE content area definitions that may differ from other states or national organizations. Details of the Texas CE topic areas can be found online at ncemsf.org/topicareas. Some topics are not eligible for Texas CE but may be accepted by other states or national organizations. Attendees are responsible for aligning lecture content with the CE submission requirements for their EMS certification body.

Pre-Conference Workshop participants will receive hard copy CE certificates at the conclusion of their session, but all other sessions will be tracked in NCEMSF's online system. In order to receive credit for your conference attendance and the sessions that you attended, please follow these directions:

Attendance Tracking

- Record your session attendance during the conference via text message (SMS).
 - To register for SMS attendance tracking, text your seven-digit personal code (provided at check-in) to **781-2-NCEMSF (781-262-3673)**. Standard messaging/data rates may apply. You will receive a reply confirming your registration.

- Each workshop has a 4-character session code that can be found in the conference program and on the room signs outside each session. At any time during the session, **text that 4-character code** to the number above to record your attendance. You will receive a reply confirming the session you attended. If the session is not correct or you switch to a different session, send another message with the correct session code.
- If you do not have SMS capability, you can manually enter your attendance via the “My CE Records” utility when you rate the speakers and topics as described below.

Generating Your CE Report

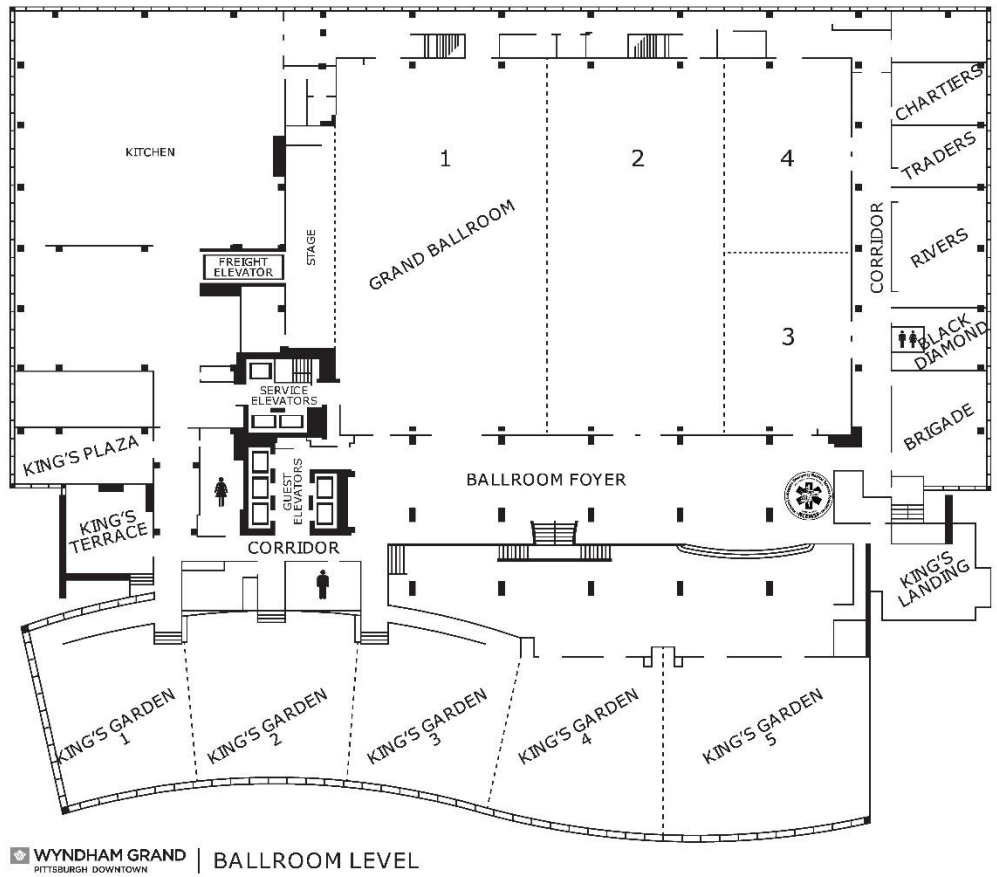
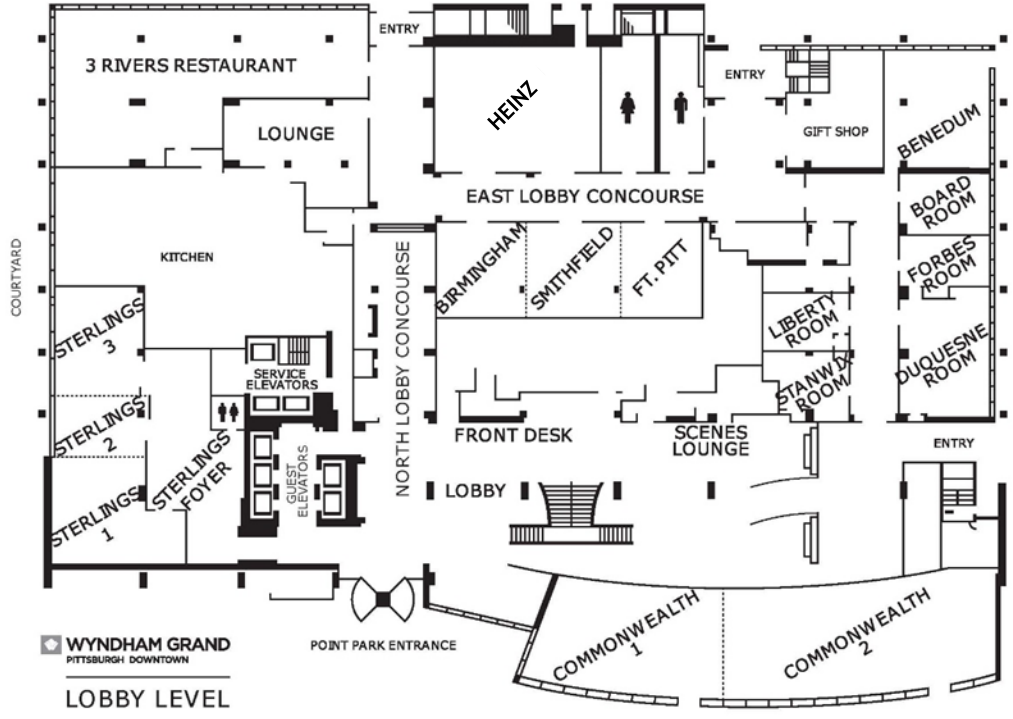
- After the conclusion of the conference, you will receive an **email** with two different survey/evaluation links. **Both** must be completed to receive Continuing Education credit.
 - Log into the NCEMSF website and visit the **Conference Evaluation / Claim CE** link in the Conference menu.
 - Complete the **Post-Conference Survey**.
 - Visit the **My CE Records** page on the Conference menu.
 - Verify attendance and rate sessions **one session at a time**. Regardless of whether you used SMS tracking or are manually entering attendance, the steps below must be completed.
 - If you used text message attendance tracking:
 - Validate the lecture for the session or change it for an incorrect or missing listing.
 - Complete all the ratings for that lecture.
 - Press the **green plus button** to add the session to your list of completed ratings and wait for the page to reload.
 - If you did not use text message attendance tracking:
 - Enter the lecture for the given session manually.
 - Complete all the ratings for that lecture.
 - Press the **green plus button** to add the session to your list of completed ratings and wait for the page to reload.
 - Repeat the steps above for each workshop session, one session at a time. If you see an incorrect session on your list of completed ratings, use the red X button next to it to remove that session, allowing you to correct the lecture or other information.
 - Once lectures for all sessions you attended have been rated, review the list of completed ratings.
 - Click the PDF link to view your CE report. Please note that **viewing the PDF report will finalize your attendance records, and you will no longer be able to remove lectures after that point**.
- **Print your personalized PDF document** from the “My CE Records” utility. Sign and submit it along with any other necessary identifiers (e.g., address, certification number, date of birth) to your state’s EMS regulatory agency or NREMT as state-approved CE. Some states may require a copy of this conference program or other information as well.
- All steps must be completed by **May 1st**. After that date, you will only be able to access finalized records but cannot modify records or generate a PDF records document for the first time. If you have not completed the post-conference survey, validated your attendance, rated the topics and speakers, and finalized your personalized PDF document by **May 1st**, you will forfeit all continuing education credit from this conference.

Submission of Continuing Education

It is each attendee’s responsibility to submit continuing education records per the procedures of their EMS certification body. NCEMSF’s CE is accepted by the National Registry of EMTs (NREMT) as state-approved content, though the topic areas may need to be adjusted to align with NREMT’s topic area definitions. For states that do not utilize NREMT for certification, it is the attendee’s responsibility to determine how (if at all) their state will accept continuing education credits. For certain states, the process of **Continuing Education by Endorsement** is the appropriate method for submitting records. You can also download this conference program from the NCEMSF website as additional documentation if required.

Please note that NCEMSF cannot apply for CE approval in all states our attendees may be from. NCEMSF has no control over state regulations or whether a specific state or other certifying organization accepts our content.

Conference Floor Plans



Conference Schedule

Friday, February 21

01:00 PM - 05:00 PM *Preconference Tours*

Meet Hotel Lobby

Walking Tour of Pittsburgh River Rescue

Made famous in the movie *Striking Distance*, Pittsburgh River Rescue is a unique service provided by Pittsburgh EMS. Staffed by a police officer and rescue medics, Pittsburgh River Rescue's mission is to prevent and to respond to waterborne emergencies in the waterways in and around the City of Pittsburgh. It provides rescue services, fire suppression, dive teams, and ALS EMS services. Come take a walking tour of the River Rescue base to learn more about this unique service.

Tour of AHN Prehospital Services and LifeFlight

Tour a LifeFlight base and medical aircraft, meet LifeFlight crew members, get a great view of the City of Pittsburgh from the Allegheny General Hospital Helipad, and see the amazing cutting-edge emergency care facilities of Allegheny General Hospital in a tour led by Allegheny Health Network's Prehospital Services personnel.

01:00 PM - 05:00 PM *Preconference Workshop*

The Obstetric Abdominal Exam

Brigade

Jay Rodriguez

You have a pregnant woman in the back of your unit: what information do you want to know? More importantly, what information do you need to know? Chances are, you may not be sure how to answer either of these questions because it simply isn't taught in school. Do you know how to accurately calculate an estimated due date or gestational age? Do you know how to document a pregnancy and birth record outside of gravida, para, ab? Do you know how to examine her abdomen or auscultate for a fetal heart rate? Knowing what to ask, what to look for and how to interpret that information could not only point you towards the underlying issue your patient is having, but it could also save both of their lives! Come and listen to an experienced Paramedic turned Birth and Postpartum Doula teach you how to not only answer those questions and do those assessments, but then get to practice that assessment on a live pregnant patient!

04:00 PM - 10:00 PM *Conference Check-In*

Conference Check-In

Ballroom Foyer

After checking into the hotel, stop by the conference registration table to check-in. All attendees must check-in individually regardless of how they registered. (Photo ID required). Upon check-in, attendees will receive a name badge that must be worn throughout the weekend as admittance to conference lectures and activities require it. Alumni, presenters and exhibitors should identify themselves to receive the appropriate identifiers on their badges.

04:30 PM - 11:00 PM *Stryker EMS Skills Classic*

Lobby Level

Showcase your organization's medical knowledge, problem-solving skills, and teamwork in this exciting activity. Pre-registered and non-registered teams alike (space remains for all schools to participate!) should check-in at the skills information table (located next to registration on the ballroom level) to receive their team number, copy of the rules, and start time - team numbers and start times are assigned based upon check-in time. Each team member must check-in and sign the liability release form. Don't miss out on this cornerstone NCEMSF Conference experience -- we would love for each school attending to participate. Trophies will be presented to the overall winners of this always fun-filled event on Saturday evening.

06:00 PM - 06:50 PM *Workshop Session 1*

Pills, Potions, and Real-World Reactions

Commonwealth 2

Keshav Reddy

Have you ever arrived on scene only to find that the patient or their friends have no idea what drugs were taken, or you're hearing about a substance you've never encountered before? This presentation is designed to help collegiate EMS providers identify and respond to common drug-related emergencies on campus. We'll cover both illicit and prescription substances, highlighting the signs and symptoms of each, as well as prehospital treatment options and hospital care protocols. By the end, you'll have a clearer

understanding of how to manage these situations with confidence. Additionally, we'll explore data from a national toxicology study to help you stay informed about current drug trends and emerging substances.
CE Code: 111B

Prehospital Ultrasound: Useful Tool or Useless Stool

Grand Ballroom 3

Benjamin Lawner, DO, MS, EMT-P, FACEP, FAMP

Prehospital ultrasonography can complement your physical assessment and inform decisions about patient destination. Ultrasound technology is more widely available, and trained EMS clinicians can use ultrasound to answer basic questions related to patient condition. Dr. Lawner will engage in case base discussions to highlight patient encounters that might benefit from the use of prehospital ultrasound. Participants will have an opportunity to demonstrate "hands on" image acquisition. *CE Code: 111C*

Rapid Sequence Intubation

Grand Ballroom 4

Kevin Duffy, MD

Rapid Sequence Intubation (RSI) is a useful intervention in the pre-hospital setting that can assist in managing a patient's airway. However, RSI is a high-risk intervention and is warranted only under certain circumstances and within variable scopes of practice nationally. Dr. Duffy will discuss the background of RSI, indications and contraindications of its use, specific RSI medications, as well as procedural and operational logistics of performing pre-hospital RSI and its integration with traditional airway management. *CE Code: 111D*

Not Just a Checklist: Strategies for EMS Preceptors

Sterlings

Garret Shields, BS, NRP, FP-C, VA-EC

An inconvenient truth: Just because someone is a good field provider does not mean they will be a good teacher. EMS preceptors often reduce their role to merely checking boxes, but an effective preceptor should be much more than that. The issue is that many preceptors receive little to no training on how to be effective and even less in adult education. Preceptors should act as mentors to their students, starting with establishing a trusting relationship. This session will explore various strategies for becoming a more effective preceptor, regardless of whether you have had one or one hundred students. We will introduce several concepts of adult education and ways to build on them. Understand that every student is unique and may arrive at different stages of learning. It is your responsibility to shape them into competent providers, with the hope that one of your students will one day become a mentor to the next generation of EMS providers. *CE Code: 111E*

Roundtable: Startup

King's Garden 1

Joseph Grover, MD, FACEP, FAEMS, NCEMSF Startup Coordinator

This roundtable discussion will be devoted specifically to aiding new startups in applying all that they learn at this year's conference and helping them determine the next steps in furthering their organizations. *CE Code: 111A*

07:00 PM - 07:50 PM Workshop Session 2

Face/Off - Not Just a Bad '90s Movie:

Commonwealth 2

Managing the Traumatic Airway

Clayton Ondrizek, EMT-P

How do you manage the airway of a trauma patient with limited to no discernible facial anatomy? What are your priorities for maintaining the patient in the field with limited resources? This session will discuss real world experiences with severely traumatized airway management and present tips for giving these complicated patients the best chance for successful outcomes. *CE Code: 112A*

Sick and Trapped: Physiology to the Rescue

Grand Ballroom 3

Jonathon Jenkins, MS, NRP

Have you ever responded to a terrible motor vehicle collision, industrial accident, or the alike where the patient is critically ill and very trapped? How do we care for these patients to best optimize their chance of not only survival to extrication, but survival to discharge? Critical Care is a type of care, not where you provide it. During this presentation we will take the care to the patient, as we explore how what we do and how we do it makes a BIG physiologic difference in the care of trauma patients. *CE Code: 112B*

**Medical Direction and EMTALA 101-
Breaking Down Responsibilities in Medical Direction and understanding EMTALA Rules**

Grand Ballroom 4

Joseph Grover, MD, FACEP, FAEMS, NCEMSF Startup Coordinator

Have you ever wondered what a medical director actually does? This lecture will provide some basic background of the different roles and responsibilities of a medical director. You will be given scenarios to tackle as if you are the medical director. Finally, while relatively unrelated, I will also outline some key EMTALA concepts that every EMS provider should know. *CE Code: 112C*

Stormy Course: Endocrine Emergencies You Can't Miss

Sterlings

Mohamed Hagahmed, MD

Patients with endocrine emergencies can experience a wide array of symptoms that pose unique challenges in the prehospital setting. EMTs and Paramedics will learn how to identify some clues that guide them to finding the proper diagnosis and starting the correct management. *CE Code: 112D*

08:00 PM - 08:50 PM Workshop Session 3

Picture This: Post Cardiac Arrest Care in the ICU Setting

Sterlings

Ryan Klimkewicz, EMT-B / BSN

The prehospital setting offers few to no opportunities for feedback on the effectiveness of clinical interventions or patient experience of care. This is particularly true for cardiac arrest. This presentation serves to bridge the gap between pre-hospital response and inpatient post cardiac arrest care. *CE Code: 113A*

Blood Administration in the Prehospital Environment

Grand Ballroom 3

Steven McHugh, BS, NRP, I/C

Blood administration is the newest life-saving intervention coming to the prehospital world. Whole blood administration is one step closer to bringing the hospital to the patient. In this conference presentation, we are going to dive into what whole blood is. We will learn about the increase in survivability of trauma patients when whole blood is administered on scene. Blood administration has its own set of indications and protocols regarding administration. We will review what patients are a good candidate for blood. Unlike fluids, blood has a more complicated process for administration. We will learn how to administer blood ensuring it is the right temperature and flow rate. We will also discuss the benefits of tranexamic acid and calcium chloride during a transfusion. Blood is a valuable resource that is becoming scarcer as the years go on. Waste is large concern with most systems when talking about prehospital blood. We will discuss how we store and manage prehospital blood so there is zero waste. Given its availability and extensive training requirements, not every service can or should have blood. This leads to creating a regionalized program, so every community has access to blood. *CE Code: 113B*

Oops, I love EMS

Grand Ballroom 4

Gabriel Diamond, BS, NRP, FP-C and Blaise Loughman, MD, EMT-P

For some, Collegiate EMS is a way to get involved on campus, give back to your community, and meet new friends. For others, it's a clever trick that sets you on a course to a career in EMS that you didn't see coming. This can be terrifying, especially when it catches you by surprise. We have been down this road, through the struggles, and come out the other side (relatively) unharmed. This course will cover the branching paths available to you in EMS, how to make the most out of your Collegiate EMS experience, pitfalls that will present themselves, and methods to keep yourself well through all of it. *CE Code: 113C*

Smoke Signals: Understanding Capnometry

Commonwealth 2

Jacob Miller, ACNP, ENP-C, CNS, NRP, FAEN, FAEMS

While capnography is commonly associated with verifying ET tube placement, it holds broader significance in assessing a patient's clinical status. This presentation focuses on the physiological and pathophysiological factors underlying end-tidal CO₂ values. By breaking down EtCO₂ into its components of ventilation, perfusion, and metabolism, participants will learn to analyze potential causes of high, low, and normal EtCO₂ readings within the context of common clinical presentations encountered in EMS practice. *CE Code: 113E*

Roundtable: Chiefs and Presidents Leadership

King's Garden 1

George J. Koenig, DO, NCEMSF President

This roundtable discussion designed for squad chiefs and presidents will be devoted to addressing campus leadership issues and sharing problem solving strategies. Several campus based EMS chiefs and presidents from a variety of different types of agencies have been selected to help drive the discussion, which will hopefully continue throughout the weekend. *CE Code: 113D*

08:45 PM - 12:30 AM Welcome Social and Mixer

King's Garden 2-5

Sponsored by Philadelphia College of Osteopathic Medicine

Mingle with other collegiate EMS responders as they arrive. Challenge yourself to see how many people you can talk to in a short period of time - it is freshman orientation all over again! Enjoy the refreshments, sing and dance to the tunes of singer/songwriter duo Micayla Reynolds and Declan Jameson. Exchange your squad's patches, pins and shirts with those you meet. Watch as photos from past years flash on the screen. As has become NCEMSF tradition, show your squad's pride by making a banner to be presented by your squad at the Meet & Greet Saturday morning.

Stryker CPR Challenge

Ballroom Foyer

Test your strength, endurance, and precision in a quest to outperform the machine. Contestants will perform two minutes of high quality CPR as per the AHA Guidelines. Prizes will be awarded Saturday evening to the top performers.

Saturday, February 22

07:00 AM *Late Conference Check-In* *Ballroom Foyer*

07:15 AM - 08:30 AM *Continental Breakfast* *Ballroom Foyer*

07:45 AM - 08:15 AM *Group Introductions / Meet and Greet* *Grand Ballroom 1-2*

Bring the banner you created on Friday night and show your organizational spirit. Each collegiate EMS organization will have an opportunity to briefly introduce itself (school, location, number of members, level of service, and one unique thing about the group). Sit by NCEMSF Region so you have a chance to further mingle and meet your fellow collegiate EMS providers. Milestone anniversary awards will be presented at this time.

08:15 AM - 09:05 AM *Plenary Session 1* *Grand Ballroom 1-2*

Where You Get Hurt Matters:

Geographic Organization of Trauma System Resources

Joshua Brown, MD

From John Snow tracking down a cholera outbreak in London to tracking the spread of COVID-19 in a burgeoning pandemic, the field of public health has long known the importance of geography to health. Trauma is no different with an inherent geographic component as we regionalize care of injured patients at specialized trauma centers. Only recently have we begun to pay attention to where we put trauma centers in our systems. We'll discuss cutting edge research looking at how the geospatial organization of trauma system resources impacts outcome and how we can improve them, with our lab's particular focus on EMS resources as a dynamic and critical part of trauma systems. *CE Code: 211A*

09:15 AM - 10:05 AM *Workshop Session 4*

Almost Everything I Taught You is Wrong

King's Garden 1-2

Ron Roth, MD

In the early years, the accepted educational model was to teach prehospital care providers just what they needed to know. We created cookbook medics that could perform a series of tasks but had no background as to why they were doing something. So training consisted of "blow up the MAST trousers until the Velcro crackles, do 5:2 compressions:breaths, and place hypotensive patients in the Trendelenburg position (head down)." All of these recommendations would eventually be retracted leaving many providers saying (or thinking) "first you tell us to do something and then you tell us not to do something." So for all of you that attended one of my anaphylaxis lectures and are still giving 50mg of benadryl and steroids to patients with anaphylaxis, let's rethink that and a few other things that I taught you. *CE Code: 212A*

Prehospital Paradigm Podcast Presents: Creating a Podcast *King's Garden 3-4*

John Hill, Scott Wildenheim, Caleb Ferroni and Ray Pace

As the landscape of education continues to evolve, EMS professionals face the challenge of keeping training engaging, relevant, and accessible. This conference presentation will explore how we developed the Prehospital Paradigm Podcast to provide a unique platform for education and training. Attendees will learn how podcasts can be a powerful tool for delivering dynamic content, sharing expert insights, and fostering a sense of community among learners. We will cover critical aspects of podcast development, including identifying target audiences, selecting relevant topics, and structuring episodes for maximum impact. Participants will gain insight into the technical requirements, such as equipment choices, editing software, and distribution platforms, while also exploring strategies for promoting their podcast to reach a wider audience. Additionally, we will discuss best practices for content creation that encourages interactive learning and collaboration among EMS professionals. By the end of the session, attendees will have a clear roadmap for starting their own EMS education podcast, empowering them to harness the potential of audio (and visual) storytelling to enhance training and improve outcomes in emergency medical care. Join us in this journey to innovate education in EMS and connect with the next generation of responders through the power of podcasting. *CE Code: 212B*

Show Me The Money! Approaches to Funding a Campus Agency *King's Garden 5* *Sheila Elliott, MS, LP*

Most campus EMS programs begin with a very small budget or receive no funding at all. In this session, we will discuss innovative and creative ways on how to fund your campus EMS agency beyond your university budget. We will share the experiences we have had in our campus EMS agency at The University of Texas at Dallas, which was started in 2017 by a group of students providing EMTs solely at campus events. Now, our campus agency has incorporated a 24/7 ALS supported response, has 1 full time campus EMS administrator with no increase in university funding. We will discuss ways to incorporate EMS Education as a funding model in addition to CE opportunities and recertification type courses for alternative resources. In this presentation, we will also discuss ways to incorporate student leadership, how to build morale in any size agency and discuss creative ways to provide incentives for your EMS providers. Lastly, we will have an audience Q&A session with 8 members of our student leadership. *CE Code: 212C*

Funny, You Don't Look Deaf *Grand Ballroom 3* *Becky Valentine*

Medical mistakes, omissions and delays can happen when miscommunication occurs on scene. This session takes a closer look at how to recognize and better communicate with our patients who are deaf or hard of hearing. Additionally, as EMS professionals, we put our hearing at risk on a daily basis. Tips to avoid further hearing loss will be explored. During the last portion of this session, attendees will have a chance to learn and practice some basic emergency signs in American Sign Language. *CE Code: 212D*

A Story of Survival, The Role of EMS in My Lightning Story. *Grand Ballroom 4* *Joshua Freund, MHS, DMSc*

As an EMS professional, there are some scenes that you will always recall; ; however, for the patients in these scenes, the effect on their physical and mental health lasts a lifetime. Among environmental threats, lightning injuries pose extreme danger; this session will provide a host of common lightning facts and address appropriate management techniques for the patient and the scene while telling the story of the speaker's brush with death and survival. The ability of EMS providers to touch their patient's lives is often understated; however, in this story, we will see the events play out across a lifetime and generations. *CE Code: 212E*

The Initial Obstetric Exam *Commonwealth 1* *Jay Rodriguez*

LMP, EDD, EGA, and who the heck is Naegele? Do you know the language of obstetrics? Giving a concise and technically accurate report is a hallmark of any EMS call. However when your patient is pregnant it is surprisingly easy for technical accuracy and terminology to go right out the window. Come learn the terminology and basic assessments needed to not only properly assess your pregnant patient but also give a technically accurate report utilizing terminology even the newest L&D nurse will understand! *CE Code: 212F*

Attention Passengers: "Is There a Medical Provider on Board?" *Commonwealth 2* *Adam Tobias, MD, MPH, FACEP*

"Ladies and gentlemen: is there a medical provider on board?" We will use recordings of real-life in-flight emergency consults to supplement a discussion of common and uncommon scenarios that medical providers may be challenged with during commercial airline travel. We will discuss the unique aspects of patient care in this austere environment, what supplies and resources are available, the medical challenges of taking care of patients at altitude, considerations for aircraft diversion, and how you can help. *CE Code: 212G*

Ouch, That's Gotta Burn - A Review of EMS Burn Management *Sterlings 2-3* *Joshua Glick, MD, FACEP*

This talk will go over the evaluation and management of burn injuries by prehospital providers, beginning with a discussion on the characterization and evaluation of different burn types and severity. We will then talk about the prehospital management and early in-hospital management of these patients. We will then talk about some less common types of burn injuries as well as co-morbid conditions that can be associated with thermal burns. *CE Code: 212H*

Lightning Talks*Grand Ballroom 1-2***Enhancing Situational Awareness with TAK: Lessons from IU Football***Adhitya Balaji, BS, NREMT, Ari Rosen, BS, David Rodgers, EdD, NRP and Drew Watters, MD*

Managing EMS operations at large-scale events such as NCAA Division I football games presents unique challenges, including coordinating resources, navigating crowded venues, and ensuring rapid response to medical emergencies. This lightning talk highlights how a collegiate EMS group successfully implemented the Team Awareness Kit (TAK) during a high-attendance football game. By leveraging TAK's real-time geospatial mapping, communication tools, and incident management features, the EMS team improved situational awareness, streamlined resource allocation, and enhanced operational efficiency. This case study underscores the potential of TAK as a cost-effective, adaptable solution for collegiate EMS teams managing mass gatherings. *CE Code: 212I*

Are Tattoos a valid DNR?*N. Alex Cutsumbis, BS, NRP*

End of life care can be difficult for everyone involved. Is this piece of paper valid, does it honor the patient's wishes, is the family okay with the situation? Further complicating the process are the increasing presence of tattoos standing in for paper DNR orders. This lecture will address two specific cases where DNR tattoos were considered, and increasing thoroughness of tattoos as medical documents.

Don't Let the Beat Drop*Divya Krishna, MD*

This session will provide an overview of how to recognize and treat Heart Blocks. We will focus on understanding the pathology behind the cardiac conduction system, recognizing different types of heart block on EKGs, and managing patients with this presentation. EMTs will learn to recognize some of the signs and symptoms of heart block via case scenarios in order to effectively respond to this condition.

Roundtable: Administrator/Advisor/Medical Director*Benedum**Joshua A. Marks, MD, FACS, FCCM, NCEMSF Secretary*

In this roundtable dedicated to campus administrators, EMS advisors and medical directors present, NCEMSF Leadership will begin discussing concerns of university officials and address issues that they may be facing on their campuses. Meet your fellow university administrators, advisors and medical directors in attendance. *CE Code: 212J*

Roundtable: Recruitment and Retention*Duquense**Tommy Renner, MD and Joseph Gocke, NCEMSF Regional Coordinators*

This roundtable discussion will focus on recruitment and retention issues on college campuses. Share your struggles and successes with your colleagues and share innovative programs and how you implemented them on your campus. *CE Code: 212K*

Skills: Active Threat Response Session A*Off Site**James Dlutowski, B.S., NRP*

This is Session A of a two-session series on trauma care and Active Threat fundamentals. You must be able to attend both sessions to sign up for this limited capacity program. This two-session series will take place at the Pittsburgh EMS Training Division. Attendees should meet in the hotel lobby. Transportation will be provided and departs the hotel at 9:15 AM. Return transportation will also be provided. The potential for active threat scenarios is ever present in public places, including our campuses. An excellent first-tier response in the first 15 minutes will set the stage for an adequacy overall response, the reduction in mortality and the tone of your community's recovery. Session A encompasses the fundamentals of Active Threat Response and Rescue Task Force development, emergency triage and clinical trauma management skill practicals. *CE Code: 212L*

Skills: Wilderness Wounds Management*Rivers**Joseph Kim, MBA, NREMT-P*

Wilderness Wounds! Come learn how to stop the bleed, treat wounds and promote healing in a wilderness context. Hands on training and practice! *CE Code: 212M*

Skills: Airway Clinical Skills*Brigade**Brian Collins, PM*

Airway anatomy review with instructions how to assist an advanced EMS practitioner when securing an airway. Learn how to obtain an airway through the skills of intubation with video laryngoscope and placement of a supraglottic airway. Intubation guidance will be enhanced with the use of a bougie and or stylet. *CE Code: 212N*

10:15 AM - 11:05 AM Workshop Session 5**Geriatric Trauma: Senior Citizens Don't Follow the Rules***King's Garden 1-2**Ron Roth, MD*

Geriatric Trauma: Senior citizens don't follow the rules. Senior citizens, which I am, don't like to follow "the rules." A simple ground level fall can cause a massive subdural hematoma and minor MVA can result in multiple rib fractures. An understanding of geriatric physiology and trauma patterns will lead to better care for this unique population. *CE Code: 213A*

Thinking on a Spectrum...Scene Safety, Airways and More.*King's Garden 3-4**N. Alex Cutsumbis, BS, NRP*

The impact of thinking in binary yes/no is well documented in cognitive psychology. This lecture will demonstrate those shortcomings and deliver an alternate approach of thinking about scene safety and airways assessment along a spectrum. This paradigm shift can benefit provider and patient alike. *CE Code: 213B*

Smart Shopping for Campus EMS:*King's Garden 5***Strategies for Equipment and Vendor Selection***Gabe Gan, MPH, NRP*

Campus-based EMS agencies often face unique challenges in purchasing expensive equipment with limited budgets, fewer staff resources, and constrained negotiation power. This session focuses on helping collegiate EMS organizations create a structured, data-driven approach to EMS vendor selection. We will explore proven strategies for identifying essential requirements, conducting product comparisons, engaging stakeholders, and evaluating vendors' post-sale support and service quality--all designed to ensure that every purchase makes maximum impact on service delivery and patient care. Drawing from real-world examples and industry best practices, the presentation will feature practical tips for assessing key product differentiators (including functionality, reliability, and compatibility), as well as simple yet effective scoring systems for ranking vendor proposals. We'll also discuss how to conduct reference checks, analyze hidden costs, and maintain vendor relationships over time. Attendees will leave with actionable tools and frameworks to guide them through a more systematic and informed buying process--ensuring the best fit, best price, and best outcomes for their campus EMS agency. *CE Code: 213C*

High Index of Suspicion:*Grand Ballroom 3***Reducing Bias in Pre-hospital Diagnosis***Lily Nong, BS, NRP*

Roughly 80% of EMS calls nationwide are classified as non-emergent, making less and less calls to be "true emergencies". How do we, as EMS providers, decide what is an emergent call and what isn't? Do we decide from the initial dispatch? When we walk into the door? This presentation will review common biases that EMS providers tend to have when performing clinical decision making, as well as how to mitigate these biases. In addition, we will review several case studies on calls that seemed "non-emergent" but were actually medical emergencies. Topics appropriate for both BLS and ALS providers. *CE Code: 213D*

Sepsis & Septic Shock*Grand Ballroom 4**Jacob Miller, ACNP, ENP-C, CNS, NRP, FAEN, FAEMS*

Sepsis is a significant cause of death and disability, affecting over 50 million persons each year across the globe. This presentation will describe the identification of sepsis in the prehospital setting (spoiler alert: it's not easy!) and evidence-based guideline-recommended treatments for patients with suspected sepsis. *CE Code: 213E*

Sense & Sensitivity:

Commonwealth 1

Trauma-Informed Responses to Sexual Assault Calls

Eric Garrison, MAEd, MSc

Did you know that the first response to a sexual misconduct call is the most crucial step in the serpentine path from victim to survivor to thriver? Done poorly, your actions could hinder a victim from seeking further treatment or even justice. Yet when done well, your trauma-informed response could help contribute to the healing process and eventual flourishing. Wouldn't you like to know more about handling these delicate situations, so that everyone from the survivor to the EMS crew member feels more comfortable and less anxious? Eric will help you become aware of your own comfort levels and build on your current knowledge and training, so that you and your crew are prepared for that next SA call. Furthermore, Eric will discuss research within forensic sexology on the mind's response to trauma. *CE Code: 213F*

Responding to Aquatic Trauma

Commonwealth 2

Tommy Renner, MD, LT US Navy

With over 70% of the earth covered by water, chances are you'll be responding to a water-related emergency in your career. Dive into an educational lecture about drowning resuscitation, SCUBA-related emergencies, propeller trauma, and other special circumstances. Immerse yourself into an often overlooked wilderness EMS topic. *CE Code: 213G*

EMS Research in 2024

Sterlings 2-3

Joshua Glick, MD, FACEP

We will review some of the most notable research publications in the field of prehospital medicine published in 2024. Our review will cover a wide spectrum of topics including cardiac arrest care, airway management, prehospital medications, and more. Don't miss this opportunity to gain valuable insights and stay up-to-date with the latest advancements in prehospital emergency care. *CE Code: 213H*

Prehospital Paradigm Podcast Live:

Birmingham

Best Practices for College EMS Response

John Hill, Scott Wildenheim, Caleb Ferroni and Ray Pace

The role of collegiate EMS is pivotal in fostering a culture of preparedness, safety, and community engagement on campuses across the nation. This panel discussion aims to explore innovative strategies for enhancing collegiate EMS programs through collaboration, education, and community integration. Expert panelists will share their experiences and best practices on general topics about basic patient care in the prehospital setting. Through interactive dialogue, the panel will also address the challenges faced by collegiate EMS programs, including funding, volunteer retention, and interdepartmental communication. We will also discuss the importance of hands-on training. Attendees will be encouraged to participate in discussions, sharing their experiences and insights, with the goal of fostering a network of support and innovation among collegiate EMS organizations. Join us for an engaging session and LIVE STREAM that promises to equip participants with actionable strategies to elevate EMS on college campuses, ultimately enhancing the safety and well-being of students and communities. *CE Code: 213I*

Roundtable: Inside the Journal of Collegiate EMS

Benedum

Jacob Robishaw-Denton, BS

Meet the Team behind The Journal of Collegiate EMS (JCEMS), the official peer-reviewed journal of NCEMSF. Through an inside look at the operations of JCEMS and a lively Q&A session, we will tackle the following questions and more: How do I get involved in EMS research? How do I publish a manuscript in JCEMS? What is peer review? What opportunities are there to serve as an editor or reviewer? I'm interested in journalism, business management, marketing, or design...how can I join the team? At the end of the session, you will be on track to prepare a scholarly publication or to serve as a leader of a growing EMS journal! *CE Code: 213K*

Roundtable: Technology

Duquense

Scott C. Savett, PhD, NCEMSF Vice-President and Chief Technology Officer

There's no doubt that technology continues to be an integral part of EMS. We've gone from pen and paper patient care reports to tablet-based ePCRs. Analog radio pagers have been replaced with smartphone

apps such as Active 911 and Slack. This roundtable workshop will discuss some of the current hot topics in EMS-related technology and dive into areas of interest expressed by the attendees. *CE Code: 213L*

Skills: Active Threat Response Session B

Off Site

James Dlutowski, B.S., NRP

This is Session B of a two-session series on trauma care and Active Threat fundamentals. You must be able to attend both sessions to sign up for this limited capacity program. This two-session series will take place at the Pittsburgh EMS Training Division. Attendees should meet in the hotel lobby. Transportation will be provided and departs the hotel at 9:15 AM. Return transportation will also be provided. The potential for active threat scenarios is ever present in public places, including our campuses. An excellent first-tier response in the first 15 minutes will set the stage for an adequacy overall response, the reduction in mortality and the tone of your community's recovery. Session B is the practical evolution where students will execute the rescue task force plan, triage simulated patients and manage traumatic injuries. *CE Code: 213M*

Skills: Splinting Improv-When There are no SAMs or Air Splints *Rivers*

Joseph Kim, MBA, NREMT-P

In this hands-on skills session not only will we review treatments and splints for unusable musculoskeletal injuries, but we'll play with creative techniques and the principles that support exceptional splint building when we don't have access to our traditional ambulance supplies. Not just relevant to those that work in more remote, austere, or wilderness environments, this will improve your back of the rig splints as well. With the goals of improving patient comfort, pain management, and tend to psychological needs, who doesn't want to build an amazing splint for their patient? If you are planning to attend and have an extra clothing layer you can put in your backpack, or other random items you've dreamed of trying to build a splint with, please feel free to bring them with you. *CE Code: 213N*

Skills: So You Think You Can Suction

Brigade

Gabriel Diamond, BS, NRP, FP-C and Blaise Loughman, MD, EMT-P

Think you're good with suction? We have a mannequin that we can put an impressive amount of fake vomit into in a very short time. You'll have the opportunity to practice hands on BLS airway maneuvers including one and two person BVM ventilation, airway adjunct placement, and suction all while the mannequin's airway fills up faster than you've (hopefully) ever seen! For ALS, you'll learn and practice the Suction Assisted Laryngoscopy and Airway Decontamination (SALAD) technique for intubating patients with grossly contaminated airways. At the end, you'll see how you can build one of these yourself for about fifty bucks (not including mannequin head) so you can up the airway training game at your own EMS service. *CE Code: 213O*

11:15 AM - 12:00 PM Workshop Session 6

24th Anniversary Richard W. Vomacka Student Speaker Competition

The Richard W. Vomacka Student Speaker Competition is named for an NCEMSF mentor who died in October 2001. This symposium is a chance for students to become involved in lecturing and for students to learn formally from one another. Presenters were selected to speak based on the strength of their submitted abstracts and the overall applicability of their proposed topics. The competition is judged on a speaker's ability to deliver a relevant high-quality seminar to his/her peers.

Beyond the Call:

King's Garden 1-2

The Power of Trauma-Informed Collegiate EMS

Ellika Greaves

Trauma-informed care is increasingly recognized as essential in prehospital settings, particularly within collegiate Emergency Medical Services (EMS), where responders assist peers in times of acute vulnerability. Following a pivotal patient encounter on McMaster University's Emergency First Response Team (EFRT), gaps in the team's response to healthcare-related trauma were noted. This led to the development and implementation of a formal trauma-informed care curriculum in 2024. Through theoretical insights and practical tools, we explore how collegiate EMS programs can leverage their position as peer responders to implement trauma-informed practices effectively, thereby improving patient outcomes and supporting responder well-being. We begin with an anecdote demonstrating the importance of a responder's approach to patients with trauma. The principles of safety, trust, empowerment and collaboration are introduced, with a focus on their importance in prehospital care. We then explore the trauma-informed care framework implemented

on EFRT, with its core tenets of recognition, reassurance, and resisting re-traumatization. Recognizing the dual impact of EMS work on student responders, we provide tools for building resilience and easing the emotional toll of witnessing trauma. This presentation demonstrates how collegiate EMS programs can set the standard for addressing healthcare trauma, benefiting patients and responders alike. *CE Code: 214A*

The Toxic Patient: Recognizing and Treating Lethal Toxidromes

King's Garden 3-4

Daniel Baker, AS

The majority of toxicological emergencies that arrive to the ER will survive with supportive care and specific antidotes/treatments. But what can we do to improve those numbers to reduce morbidity/mortality? How can we be better at recognizing and treating toxicological emergencies? This lecture will answer those questions. College campuses see wide arrays of toxicological emergencies, from opioid overdoses, to alcohol ingestion, to self-harm attempts, and many more. This lecture will break down the basics of toxicology including toxidromes, agent and antidote, signs and symptoms to look for, emerging trends, and tips for remembering silent but deadly ingestions/exposures. *CE Code: 214B*

Beyond the Call: Understanding Homelessness

King's Garden 5

Nina Buzzotta and Laura Mangov

Homelessness is not just a housing crisis--it is a public health emergency with profound implications for emergency medical services. Collegiate EMS providers are uniquely positioned to interact with patients experiencing homelessness, yet these encounters often reveal deeper systemic issues, including inadequate healthcare access, mental health crises, and substance use disorders. This presentation will explore the leading causes of homelessness, the social determinants that shape health outcomes, and the role EMS can play beyond immediate medical intervention. Through research-backed strategies and real-world case studies, we will examine how unconscious biases and provider fatigue can affect patient interactions, and how adopting trauma-informed care, de-escalation techniques, and resource-based referrals can improve both patient outcomes and responder well-being. By addressing homelessness not just as an EMS challenge but as a societal issue, we can foster a culture of empathy, advocacy, and meaningful intervention within prehospital care. *CE Code: 214C*

Key Approaches for Conflict Prevention and Management

Commonwealth 1

Joon Han Kim

Collegiate EMS clinicians often face significant stress as they balance the demands of patient care, academic responsibilities, and personal relationships. These stressors can often serve as a catalyst for conflict both between clinicians within the collegiate EMS organization or with outside entities. As a result, addressing and managing these conflicts effectively is critical to fostering a healthy collegiate EMS organization. In this presentation we aim to discuss evidence-based factors that often lead to conflicts within any organization and discuss how these factors may manifest within the context of collegiate EMS organizations. Furthermore, we explore key approaches for conflict management and prevention that are specifically tailored to collegiate EMS organizations. These strategies emphasize proactive communication, team building, and collaboration. Rather than viewing conflict as a disruption, we encourage audience members to reframe it as an opportunity for growth. By embracing conflict as a natural aspect of team dynamics, collegiate EMS clinicians can use it as a tool to enhance their skills as clinicians and collaborators both within and beyond the collegiate EMS setting. *CE Code: 214D*

The Power of Perspective: Cultural Competence for Collegiate Responders

Commonwealth 2

Aqsa Owais

College campuses are more diverse than ever, bringing together students from a vast range of cultural, ethnic, religious, and experiential backgrounds. Walk across any campus, and you'll hear different languages, see various traditions being celebrated, and meet students whose life experiences have shaped unique perspectives. This rich diversity isn't just reflected in classroom discussions or student organizations--it also impacts healthcare, especially in emergency medical

situations where clear communication and trust are essential. As collegiate EMS providers, we have the privilege and responsibility of caring for students from all walks of life. Whether responding to an international student unfamiliar with the U.S. healthcare system, a patient whose religious beliefs influence their treatment decisions, or someone who has faced historical barriers to medical care, cultural competence is key to providing effective and compassionate service. This presentation explores how theoretical frameworks--such as Purnell's Cultural Competence Model, Leininger's Sunrise Model, and the Giger and Davidhizar Transcultural Assessment Model--can help EMS providers navigate cultural differences and improve patient interactions. By integrating these perspectives into EMS training, we can foster more inclusive, understanding, and patient-centered care within our campus communities. *CE Code: 214E*

Cultural Competency for EMS: Transgender and Gender Diverse Populations

Sterlings 2-3

Isabella Luca

On November 5th, 2024, the National Academy of EMS Physicians released a position statement regarding the standards of prehospital care of transgender and gender diverse (TGD) populations, and a call to action for EMS agencies to improve their service's TGD cultural competency. There is a gap in trust between the TGD community and EMS providers, as a majority of TGD individuals do not perceive EMS providers as knowledgeable about trans patient care (Washick et al. 2020). This seminar intends to shorten this gap by educating EMS providers on basic TGD terminology, provider biases, and how to deliver affirming and considerate patient care. In a climate where the TGD community is routinely defamed and misconstrued, it is essential that EMS providers understand how to provide unbiased, compassionate care. This event will reinforce the NEMS education standard to "communicate in a non-discriminatory manner that addresses inherent or unconscious bias, is culturally aware and sensitive, and intended to improve patient outcome" (National Emergency Medical Services Education Standards, 2021). *CE Code: 214F*

Regional Roundtable Discussions

Grand Ballroom 1-2

NCEMSF Regional Coordinators

The NCEMSF Regional Coordinators invite squad leaders to meet with them and other leaders in their geographic region. Attendance will help organizations to grow within NCEMSF and allow NCEMSF to better serve its constituents. These sessions are recommended for one or two representatives per school, and are ideally attended by squad leadership/squad NCEMSF Liaisons. *CE Code: 214G*

12:00 PM - 01:00 PM Lunch on Your Own

With an hour for lunch, we recommend heading over to Market Square (0.3 miles/6 minutes). It's an open landscaped square surrounded by many quick lunch options, including the famous french-fry-and-coleslaw-filled Pittsburgh sandwich from *Primanti Brothers*.

PGH EMS Heavy Rescue and AHN Prehospital Care Unit Tours *Hotel Driveway*

In other cities, rescue services are performed by Fire Departments. In Pittsburgh, rescue falls to EMS. What does it take to be a rescue-medic? What makes Pittsburgh's EMS-centered medical rescue approach different than fire department-based rescue services? Come find out by speaking with rescue-medics and taking a brief tour of a Pittsburgh EMS Heavy Rescue Truck. It will be stationed just in front of the hotel during lunch. Stop by and see what it takes to be a rescue-medic. Also available to tour will be various specialty units, such as Critical Care Transport and Prehospital Response Units, from AHN Prehospital Care Services. Meet AHN Prehospital Care providers and learn about these unique services and career pathways.

01:00 PM - 01:50 PM Workshop Session 7

March into the Warm Zone: Trauma Care for Severely Injuries *King's Garden 1-2*
Gary Hecker, RN, CCRN, EMT-CC, CIC, NHDP-BC and Becky Valentine, BS, EMT-P

Response to mass-casualty events has demonstrated that a gap exists between the capabilities of prehospital trauma care and the needs of patients during these events. The military medical care arena has focused on tactical combat casualty care for several years. There is a need to bring the lessons learned from combat care into the civilian world. The Federal Emergency Management Agency (FEMA) has identified multi-casualty incident (MCI) preparation as a national priority. This course serves as a

brief introduction to the principles of civilian tactical casualty care. Additional detailed training opportunities will be identified later on. *CE Code: 215A*

Creating a Protocol for Intoxicated Collegiate Patients

King's Garden 3-4

Thomas Goode, MS, NREMT

Virtually all collegiate EMS providers encounter a college-aged patient intoxicated from the classic "two beers." While these patients require evaluation by prehospital providers, hospitalization for some may be unnecessary and these patients can be allowed to refuse further care and transport. Yet, in the age of liability where collegiate agencies face scrutiny from medical directors to college or university administrators and risk managers, facilitating a patient refusal is often difficult and inherently risky. This presentation follows the evolution of an agency-specific alcohol refusal protocol, tailored specifically for a collegiate EMS service, from an initial, unofficial set of criteria to a comprehensive, research-based policy developed and iterated between multiple agencies and departments. This lecture reviews the medical and legal essentials for evaluating intoxicated patients, offers guidance and criteria useful to determining patient outcomes, and provides agencies with the necessary elements to think critically about their own processes for allowing intoxicated patients to refuse transport. *CE Code: 215B*

How to Talk to Pediatrics "to" Little Lifesavers:

King's Garden 5

Thinking Like a Child

Nicolas Spray, EMT-P

This course is to make you more comfortable talking to kids, and making them comfortable with you evaluating them. This course will go over how to restrain your patient safely for treatments, and how to come up with topics of discussion. *CE Code: 215C*

When Nature Calls-EMS After Hurricanes in U.S. Virgin Islands *Grand Ballroom 3*

Les Polk, MS, NRP, FACPE, CEMSO

When Hurricanes Irma and Maria struck the U.S. Virgin Islands with the devastation of a Category 5 storm, critical infrastructure was damaged. Through an Emergency Management Assistance Compact (E.M.A.C.) request from the U.S. Virgin Islands, the New Jersey EMS Task Force was able to deploy a contingent of highly-trained EMTs and paramedics as well as a fleet of all-terrain ambulances to assist in the recovery efforts. You will learn how you can utilize your education, training, skills, and expertise to function in an austere environment with minimal resources and a challenging environment. You will discover how the innovative problem solving skills honed as collegiate EMS providers can be applied to provide world class medicine far from home. You will understand how service to a campus community can be preparation for service to complete strangers in a time of great need. We will discuss how lessons learned in this E.M.A.C. deployment can be applied to other planned or unplanned incidents and disaster management as it pertains to EMS. You will learn how applying principles of tactical paramedicine can be applied to routine responses in any EMS system-especially on college and university campuses. *CE Code: 215D*

Special Events Medical Planning

Grand Ballroom 4

Jeffrey Huggins, BS, NRP, CEM and Todd Tracey, NS, EMT

Over 1.8 million special events occur across the United States annually. These events bring unique challenges for EMS at both a clinical and operational level. Through dissection of the special event planning lifecycle, attendees will learn how to effectively prepare and pre-plan for mass gathering events. Using real-world case studies including gubernatorial inaugurations, professional sports events, National Special Service Events (NSSE), and music festivals we will discuss lessons learned and best practices to apply to your own events. *CE Code: 215E*

Ultrasound in EMS

Commonwealth 1

Joshua Glick, MD, FACEP

We will cover the basics of how to use an ultrasound machine, followed by a review of some relevant research related to how prehospital providers can use this technology. We will then spend some time discussing concrete examples of how EMS can use this technology for specific cases. *CE Code: 215F*

Managing Crashing Patients in the Field - Reducing Mortality

Commonwealth 2

Mark Pinchalk, MS, EMT-P

EMS providers routinely encounter critically ill medical patients in the field. Taking a "load and go" approach with these patients will often result in increased morbidity and mortality. This presentation will review the concept of "crashing" medical patients and physiological and operation parameters associated with these patients suffering cardiac arrest in the field during care. A management algorithm will be proposed to provide more effective aggressive prehospital care to these patients and improve outcomes. QI data from an urban EMS system will be reviewed highlighting the effectiveness of this strategy. Persons attending the lecture are eligible to attend a practical session with skills sessions and case based scenarios based on this care strategy. Preregistration for the practical portion is required. *CE Code: 215G*

Hazardous Materials Considerations for the Campus Provider *Sterlings 2-3* *Ryan Hay, MSN, PHRN*

In this extended pre-conference workshop, we explore and refresh on the traditional all-hazards approach to patient care, placing a unique focus on hazardous materials and the role of the campus EMS provider. The acronym CBRNE stands for chemical, biological, radiological, nuclear, and explosives. We will spend approximately 30 minutes covering each of these disciplines to understand some fundamental concepts affecting EMS providers. Hands-on learning will be implemented to the extent practicable. *CE Code: 215H*

NCEMSF Poster Session Walk Rounds *Ballroom Foyer* *Jacob Robishaw-Denton, Journal of Collegiate EMS, Moderator*

Walk through the poster displays and listen as authors discuss their original campus EMS research and unique campus programs. Ask questions of the authors as they stand by their work. *CE Code: 215I*

2025 Posters

1. Improving Medication Delivery for Prehospital Patients: Giovana Silva, Abigail Deleon-Peña, and Don Pham from the University of Florida
2. EMT Student Self-confidence and its Effect on a Summative Examination: Dr. Jackson D. Deziel, Edward Oliphant, Logan Smestad from Western Carolina University
3. Advising Collegiate EMS Protocols Through a Systematic Review of Factors Contributing to Non-Suicidal Self-Injury: Marina N. Fonseca and Mellina J. Solomon from McMaster University
4. Use of Virtual Reality Head Mounted Displays (VR-HMDs) in an Educational Module Teaching CPR to Undergraduate Health Sciences Students: Carol Zhang from McMaster University
5. Dual Burdens: Elevated Stress in University EMS Responders: Cole Simon from University of Florida
6. Spanish AHA BLS/CPR Class Module Adjuncts: Anneliese Siedman and Iliana Acevedo from Washington University in St. Louis
7. Comparative Analysis of Patient Versus Provider Mental Health Concerns: Elisabeth Chai from Stony Brook University
8. Analysis and Standardization of Non-Transport Collegiate EMS Unit Verbal Handoffs to Responding ALS: Quinn Shepard, Samantha Sadorf, and Reem Abdelghany from the University of Florida
9. Emergency Medical Services Focused Analysis of Call Volume by Median Household Income: A NYC Case Study: Larissa Ma and Charles Sloane from the Massachusetts Institute of Technology
10. Polypharmacy in Young Adults: Implications of Coprescription for Collegiate EMS; Anthony Rink and Dr. Kevin Crisp from St. Olaf College
11. Geospatial Analysis of Stony Brook University's Dispatch Trends and Priorities: Shreya Motaganahalli from Stony Brook University
12. An Analysis of the Utility of the LIFEPAK in Collegiate EMS: a Comparison of Device-Measured and Manual Vitals; Priya Darbha, Pari Pandya, Tisha Gautam, and Shabbir Bohri from the University of Texas at Dallas
13. Characteristics and Best Practices In Responding to Psychiatric EMS Calls: Nancy Johnson & Dr. Rohit Gupta from Rice University

Roundtable: Administrative Challenges in a Collegiate EMS Agency *Duquense* *Raymond Lovell, NREMT-P*

Collegiate EMS agencies face a unique issue of being composed of a staff whose number one priority is not (or at least should not be) EMS. This discussion covers various administrative challenges such as scheduling, personnel, and training issues that our agencies face and tools we can use to continue to improve. *CE Code: 215J*

Skills: Because I Got High (on a mountain) *Rivers*

Colton Conrad, MD

Are there any wilderness explorers out there? From alpine trekkers, day hikers, and skiers to search and rescue team members, all are at risk of developing altitude sicknesses. Altitude-related illnesses are important for pre-hospital providers to recognize as early interventions save lives. Altitude illnesses vary in frequency and severity of presentation, but are inter-related and easy to understand. In this interactive session, collegiate EMS students will learn to prevent, recognize, and treat the three altitude-related illnesses. Students will also receive hands-on instruction in how to use the portable hyperbaric oxygen chamber: The Gamow Bag. *CE Code: 215K*

Skills: Moulage -

Brigade

Using Stage Makeup to Create More Realistic Training

Joseph Kim, MBA, NREMT-P

Have you ever wondered how Hollywood makeup artists make injuries look so realistic? In this hands-on skills session you will learn and practice creating realistic-looking traumatic wounds to use during training scenarios. We will explore basic stage makeup and application techniques that can enhance your rescue squad's training scenarios. We'll cover basic fractures, bruising, head injuries, impaled objects, and amputations and you will practice creating some of these during the session. You'll leave with an idea of what you need to build your own moulage makeup kit and how to use it. A great way to enhance the realism of your training and help you prepare for seeing the real thing, don't forget your camera/phone for the hashtag worthy results. *CE Code: 215L*

02:00 PM - 02:50 PM Workshop Session 8**ADHD In EMS - Exploring the Path of Neurodivergent Thinking** *King's Garden 1-2*

Becky Valentine

This session offers unique insights and life lessons gained from the experiences of ADHD (Attention-Deficit/Hyperactivity Disorder) Emergency Medical Services (EMS) professionals. The goal is to shed light on how neurodivergent thinking influences high-pressure decision-making, adaptability, and resilience in the EMS field. There are strengths often associated with ADHD, such as creativity, hyperfocus, and quick problem-solving, but there are challenges including time management, impulsivity, and potential burnout. Join us to gain a deeper understanding of ADHD traits as assets for EMS professionals with ADHD, while fostering inclusivity and understanding. *CE Code: 216A*

Reducing EMS Crew Errors via Process Design

King's Garden 3-4

Stephen Lewis, MS, NRP

Collegiate EMS organizations face a unique challenge. Providers typically enter the organization with little-to-no prior experience and then graduate within a few years. This makes it vitally important that the EMS organization has well-defined policies and procedures to guide its staff. Having retrospectively studied EMS operations over 20 years, Lehigh University EMS has engaged in "human factors engineering" to design policies and procedures with built-in defenses to reduce operational mistakes. This presentation will discuss several real-world EMS problems and how procedures have adjusted to make such problems a less common occurrence. The end-result is a more efficient, cost-effective, and safer EMS operation. *CE Code: 216B*

System Data Can Drive Change: Reducing Lights and Sirens Use *King's Garden 5*

Joseph Grover, MD, FACEP, FAEMS

EMS systems frequently make operational decisions without reviewing EMS patient centered data. This presentation will show you how you can utilize EMS data to drive change in your system. We will also discuss the current state of lights and sirens utilization in the United States, and discuss why it is time for us to adjust its culture to make EMS a safer field of medicine. *CE Code: 216C*

Patient interview: Nocebic and Hypnotic Language

Grand Ballroom 3

Bram Duffee, PhD, EMT-P

This presentation shows off research on the profound impact of language used by paramedics on patient anxiety and pain perception, particularly in high-stress emergency scenarios. It identifies nocebic-effect inducing language as a key factor that can inadvertently heighten patient distress, emphasizing the need for paramedics to adopt positive communication strategies. The discussion delves into the concept of hyper-suggestibility, advancing the contention that, in the immediate aftermath of a medical emergency,

patients usually become more sensitive to verbal cues, a phenomenon that is akin to a state of hypnosis. This heightened vulnerability underscores the critical importance of compassionate and reassuring language to prevent exacerbating anxiety and pain. The vital role of all communication is highlighted, illustrating how body language, emotional tone, attitude and appearance can build trust and rapport. (examples are provided). *CE Code: 216D*

Trauma Review - What Do the Images Show?

Grand Ballroom 4

Zachary Matuzsan, DO

How prepared are you to deal with a patient who has sustained major trauma? This talk will review the pathophysiology of common traumatic injuries through the use of real pre-hospital cases and patient images that were obtained when they arrived in the emergency department (X-rays, ultrasound, and CAT scans). We will cover the initial assessment of the trauma patient along with the various life-saving interventions. With special focus on head, chest, and abdominal trauma, you will feel comfortable taking care of your next injured patient. *CE Code: 216E*

Mental Health Crisis - I'm Not Okay

Commonwealth 1

Tim Hite

From an early age, inspired by my parents' dedication as first responders, I aspired to serve in emergency services. However, I was unprepared for the profound psychological and physical toll this path would take. After a decade as a soldier and first responder, I reached a point where I contemplated ending my life. In this presentation, I will share my journey from seeking help in my darkest moments to becoming someone who now assists others in crisis. This narrative aims to provide both an emotional insight and educational perspective on the challenges faced by veterans and first responders, as well as the pathways to healing and resilience. *CE Code: 216F*

Rescue Medicine

Commonwealth 2

Mark Pinchalk, MS, EMT-P and James Dlutowski, BS, NRP

EMS providers often respond to rescue scenes but do not provide care until the patient has been packaged and delivered to them. This presentation will propose a Rescue Medicine Care Sequence that emphasizes early basic and advanced medical care before during and after the rescue operation to improve patient outcomes. Rescue operations utilizing this care strategy will be reviewed. *CE Code: 216G*

Blunt Trauma: Mechanisms, Management, and Outcomes

Sterlings 2-3

George Koenig, DO

Blunt trauma is a leading cause of morbidity and mortality worldwide, resulting from motor vehicle collisions, falls, assaults, and sports injuries. Unlike penetrating trauma, blunt force injuries can be deceptive, with significant internal damage occurring despite minimal external signs. This lecture explores the biomechanics of blunt trauma, common injury patterns, and the physiological response to impact forces. We will discuss initial assessment using the ABCs of trauma care, diagnostic imaging modalities, and current best practices in management, including fluid resuscitation, surgical interventions, and emerging treatment strategies. *CE Code: 216H*

Lightning Talks

Grand Ballroom 1-2

Special Field Skills & Considerations for Collegiate Dorm Response

J. Dominic Singh, BA, NRP, I/C

Responses to college dormitories and off-campus housing can present some unique challenges not frequently seen in the typical residential environment. The goal of this lecture is to outline some of those unique challenges and share some techniques to mitigate them learned from years of response to that environment. *CE Code: 216N*

Bias in EMS: What is it? What Can We Do About It?

Delaney Kenyon, NREMT, WEMT, IV/EKG, RRT, FFT2

What is unconscious bias? How does it factor into clinical decisions? Is it inherently bad? This lecture introduces participants to inherent bias and gives them actionable steps to begin their educational journey. We will discuss the nuance of bias and how it sometimes works in our favor while learning how to disentangle institutional stigmas from our decision-making process in the prehospital setting.

Wildfire EMS Response: Step Up and Lead in Crisis

Audrey Lam, EMT-B, B.S.

Wildfires are increasing in frequency and intensity, with recent fires devastating California and Los Angeles, overwhelming emergency systems and threatening public health. As future healthcare leaders, collegiate EMS providers must be prepared to navigate these disasters effectively. This session will equip you with essential knowledge on EMS response to wildfires. Beyond response, learn how to take initiative in your EMS organization-educate your team, build disaster preparedness plans, and advocate for proactive measures. Whether you're interested in leadership, emergency preparedness, or making a tangible impact, this session will give you the tools to step up and lead in times of crisis.

Panel: Careers in Emergency Management

Birmingham

Eric Pohl, MS, NRP, NCEMSF Emergency Preparedness Coordinator

Emergency management is a growing field in the public and private sector, and the field needs candidates with leadership experience, analytical thinking skills, the ability to solve problems while under stress, and experience working collaboratively with others inside and outside one's organization. Collegiate EMS alumni are uniquely suited for jobs in this field. This panel discussion will feature four representatives from emergency management from a variety of sectors: Francisco Molina, Ph.D., Senior Director of Disaster Recovery and Business Continuity and Interim VP for Enterprise Risk Management, Carnegie Mellon University; Madyson Knox-Bennett, Emergency Preparedness Planner/Trainer, Beaver County (PA) Emergency Services; Angela Adams Wright, MPH, AEMT, Associate Director, Office of Critical Event Preparedness and Response at Emory University; and Ryan M. Hay, MSN, PHRN, CEM, Administrator of Public Safety and Emergency Operations, Lehigh Valley Health Network. *CE Code: 216I*

Roundtable: The Pros and Cons of Social Media

Duquense

Jeffrey J. Bilyk, ACP(f)

Social media platforms have widely enhanced the ability of organizations to interact with their constituents, message their mission and educate the public. Social media can be used to engage, advertise and celebrate achievements. Conversely, an organization's image can be equally damaged by a single post. In this roundtable discussion, NCEMSF leadership will facilitate discussion about responsible social media utilization for campus based EMS. *CE Code: 216J*

Skills: Ultrasound in EMS - Ultrasound-Guided IV Access

Sterlings 1

Joshua Glick, MD, FACEP

Have you struggled with getting reliable IV access on a patient? Sick enough to need medications, but don't really want to reach for an IO? We will cover the use of ultrasound to aid in placement of a peripheral IV. This technology has been a gamechanger in EDs across the country, and there is no reason that the skill set can't be applied in the pre-hospital setting, where IV access is often needed the most! *CE Code: 216K*

Skills: Nitty Gritty ACLS

Rivers

Sheila Elliott, MS, LP

Whether you are an EMT or Paramedic, you will leave this presentation with confidence, recognizing the 7 main rhythms and cardiac drugs that correlate with the ACLS algorithms in a "Nitty Gritty" style. The algorithms are presented in a fun, creative and entertaining format. During the Hands-On Skills Sessions, students will be divided into groups to practice mega-codes. NO STRESS, ACLS! *CE Code: 216L*

Skills: This is a Drill: A College Campus MCI Tabletop Exercise

Brigade

John Jermyn, MS, NREMT

Have you had the opportunity to participate in a disaster exercise or drill? Here's your chance to become a player in a tabletop exercise! The purpose of a tabletop exercise is for emergency personnel to discuss simulated scenarios, decide on appropriate response actions, assess plans, policies, and procedures and develop lessons learned from the exercise to improve future outcomes. The goal of this tabletop is to introduce a stressor by creating a complex scenario which forces players (participants) to think quickly about their response to the ongoing incident and then to identify any gaps to create improvements in future planning and response to real-life situations. During this tabletop exercise you will be presented with an emergency scenario with ongoing event injects. You will work together with fellow EMS crewmembers attending this session to identify what your actions and decisions would be as if you were on the scene of the job. This discussion-based exercise will conclude with a group hot wash for players

to share their thoughts on the exercise and to discuss positive and negative feedback on their performance. Both strengths and gaps (lessons learned) will be used to improve future response outcomes. *CE Code: 216M*

03:00 PM - 03:50 PM Workshop Session 9

This is Fire - Case Studies on Burn Management

King's Garden 1-2

Jason Oberoi, MAOL, BSN, CEN, TCRN, CPEN, CFRN, NRP

Together we will conduct a brief review of current ABLS protocols applied through case studies seen in emergency medicine and EMS. *CE Code: 217A*

LGBT+ Affirming Care in EMS

King's Garden 3-4

Delaney Kenyon, NREMT, WEMT, IV/EKG, RRT, FFT2

LGBT+ patients have had and will always have emergencies, and EMTs and paramedics will always be essential in their treatment. Most EMTs and paramedics, however, have not been properly trained on how to appropriately and respectfully assess queer and gender-diverse patients, which has led to significant disparities in care and community distrust. How should you ask a patient about anatomy? How should you document it? How can you ask the questions you need to ask to help this patient while being respectful? Learn what the difference is between biological sex and gender, how it applies to patient care, and what we can do as providers to help these patients feel safe, cared for, and affirmed when they call 911. *CE Code: 217B*

Can You Hear the Banjos? Lessons Learned in Rural EMS

King's Garden 5

Blaise Loughman, MD, EMT-P

Your radios aren't working, the closest hospital is forty minutes away, and there are no units available to back you up...what seems like a nightmare scenario to some may be standard operating procedure for others. Many collegiate EMS agencies operate in urban environments with an abundance of resources, but what happens when that is stripped away? We will discuss some of the common problems and unique challenges that rural EMS agencies face, as well as potential solutions. Presented in a case-study based format, this lecture will serve as an opportunity to listen to (and share your own) "war stories", as well as open your mind to what EMS is like once you leave the concrete jungle. *CE Code: 217C*

Belly Badness: Cases of Abdominal Pain

Grand Ballroom 3

Meghann Zapcic-Desrochers, MD

Abdominal pain is one of the broadest categories of chief complaint, and on a spectrum of gas pain to dying, how can you sort it all out with limited information? In this hour-long session, we will discuss abdominal anatomy, learn how to improve your differentials, and evaluate real world cases for likely diagnoses and practical field interventions. *CE Code: 217D*

The Trauma Care Continuum and Patient Hand Offs

Grand Ballroom 4

Joshua Marks, MD, FACS, FCCM

Trauma care begins at the scene of the injury. No one wakes up in the morning expecting to land themselves in the trauma bay, but when injury occurs, a system exists to get injured folks to the nearest appropriate center and receive the care needed expeditiously. This talk will examine the various phases of trauma care from time of injury through to definitive care and ultimate hospital discharge. It will evaluate the team care approach starting with the initial transport and treatment decisions including an analysis of the Philadelphia model of police transport. Further, the talk will explore the importance of pre-hospital hand offs and necessary information sharing in the trauma continuum and discuss tools to help prevent information loss. *CE Code: 217E*

When Athletes Collapse: CPR on the Sports Field

Commonwealth 1

Yoni Litwok, MD

During the Euro 2020 soccer championship, the world witnessed one of the most feared events that can occur on a sports field. Christian Eriksen of Denmark suffered a cardiac arrest in the middle of the game. For minutes, millions watched with bated breath as the training staff performed CPR and defibrillation on live TV. In 2023, Damar Hamlin, a player for the Buffalo Bills also suffered a cardiac arrest during a football game requiring CPR. During this lecture we will review what went well during these resuscitations and what went wrong. We will discuss how to optimize you and your organization's CPR

skills by understanding the science of BLS and ACLS protocols. You will learn tips and tricks to optimize your CPR capabilities. The goal of this lecture is to prepare you and your school, so that not if, but when a cardiac arrest occurs on the sports field, you will be as prepared as possible. *CE Code: 217F*

Fly EMS Fly: Medical Response to the Eagles Super Bowl Parade*Commonwealth 2*

Connor McLaughlin, DO

On February 9, 2025 the Philadelphia Eagles defeated the Kansas City Chiefs in Super Bowl LIX. Five days later on February 14, Philadelphia hosted a parade that attracted over 1 million people. Planning for an event this size in a short timeframe presented many challenges. This lecture, given by EMS physicians who provided emergency medical services at the parade, will discuss the planning, mobilization of resources, and patient care provided. It will discuss key concepts of event medicine and mass gathering planning that is directly applicable to large events on college campus. Join us for this insightful talk of a recent event! *CE Code: 217G*

The Curious Case of Bruce Banner: A New Lens on Severe Agitation

Sterlings 2-3

Jeffrey Bilyk, ACP(f)

The reality is this: excited delirium doesn't exist. It never has. This timely lecture reviews the history of the term and how it's current scrutiny can be an important turning point, and how we can ensure that patients experiencing severe agitation stop dying in police cars and ambulances. Recognition, treatment, and a new path forward is discussed in addition to the latest research. *CE Code: 217H*

CBEMS Best Practice Competition

Grand Ballroom 1-2

George Koenig, DO, NCEMSF President

The NCEMSF Best Practice Competition highlights innovative and effective strategies in collegiate emergency medical services. Come watch your colleagues showcase successful protocols, training methods, and response strategies that enhance patient care, efficiency, and safety. Judged on impact, scalability, and sustainability, this competition fosters knowledge sharing and sets new standards for excellence in collegiate EMS. *CE Code: 217I*

Roundtable: Fundraising and Financing

Benedum

David Afienko, DO and Joseph Mendes, BS, AEMT, NCEMSF Regional Coordinators

For this roundtable discussion, NCEMSF Leadership will moderate a conversation addressing financing and budgeting for campus-based EMS, with a particular focus on fundraising opportunities and strategies. *CE Code: 217J*

Roundtable: Let's Talk About Sex:

Duquense

Taking Patient-Centered Sexual History

Eric Garrison, MAEd, MSc

Whether for your current role in collegiate EMS or later as a healthcare provider, this hands-on workshop will teach you the requisite skills to acquire a useful sexual history from even the shyest of patients. Having earned the nickname at the University of London as the "Sherlock Holmes of Sexual History Taking," Eric has provided this training from the CDC to Oxford University to Johns Hopkins School of Medicine - and to countless medical and nursing schools, STI clinics, student health centers, and hospitals in between. *CE Code: 217K*

Skills: Ultrasound in EMS - FAST (Session 2)

Sterlings 1

Joshua Glick, MD, FACEP

This session will allow for hands-on practice of the FAST exam using portable hand-held ultrasound machines. *CE Code: 217L*

Skill Session: March into the Warm Zone.

Rivers

Trauma Care for the Severely Injured

Gary Hecker, RN, CCRN, EMT-CC, CIC, NHDP-BC and Becky Valentine, BS EMT-P

Response to mass-casualty events has demonstrated that a gap exists between the capabilities of prehospital trauma care and the needs of patients during these events. The military medical care arena

has focused on tactical combat casualty care for several years. There is a need to bring the lessons learned from combat care into the civilian world. In this skill session, participants will get hands on practice of skills presented in the previously presented lecture. Skills include: wound packing, tourniquets, NPA's, Chest seals and pelvic binders. *CE Code: 217M*

03:50 PM - 04:05 PM *Snack Break*

Ballroom Foyer

Take a brief break, grab a cookie, and recharge. More learning ahead!

04:05 PM - 04:55 PM *Workshop Session 10*

Injured History: Pathologies Across Time

King's Garden 1-2

James Dlutowski, B.S., NRP

Healthcare advances dramatically year-over-year. Improvements in treatments for acute emergencies like stroke, heart attack and trauma have saved countless lives while advances in chronic disease management helps prevent those acute emergencies. Addiction medicine, pain management, orthopedics and mental health have all taken giant steps forward, helping to improve quality of life. It is important to understand the history of where we came in healthcare to drive us to keep innovating. We will discuss the assassination of Abraham Lincoln, the death of Napoleon Bonaparte and the demise of other historical figures. Come take a walk through history to understand how far we've truly come. *CE Code: 218A*

Resuscitation Under Pressure

King's Garden 3-4

Hendrik Bilek, BSN, and Ben Lawner, DO

Heavy entrapment and prolonged out of hospital time: it's what the Shock Trauma Center's Go-Team specializes in! No call is too big for this team. Join us as we dive deep into this year's most challenging call, a sedan stuck under a tractor trailer. *CE Code: 218B*

Heart Breakers

King's Garden 5

Jason Oberoi, MAOL, BSN, CEN, TCRN, CPEN, CFRN, NRP

Together we will review three unique cardiac case studies from the ER and EMS that will make even seasoned providers have chest pain. *CE Code: 218C*

End-tidal Carbon Dioxide and Waveform Capnography

Grand Ballroom 3

Jeff Bruggeman

This presentation will provide the student with an understanding of the practical applications of capnography in the pre-hospital setting. An emphasis will be placed on waveform interpretation and the physiological implications of end-tidal carbon dioxide values. Topics will include, broncho-constriction and dilation. EtCO₂ in shock management, EtCO₂ in cardiac arrest management, hyper and hypo ventilation, EtCO₂ in management of brain injuries and lastly, tube confirmation. The student should leave the session realizing that this tool is so much more than a tube confirmation device. *CE Code: 218D*

The 12-Lead ECG in Syncope: Moving Beyond the ST Segment

Grand Ballroom 4

Jeffrey Bilyk, ACP(f)

Prehospital providers often consider the 12-Lead ECG a vital component to assessing a patient after syncope. Quite often a quick glance is all that's done with the result, reassuring the patient there's no STEMI present and they safely can go on their merry way. But the reality is there's a myriad of cardiac causes of syncope that have nothing to do with coronary artery occlusion. This session will review various cases of cardiogenic syncope and how to spot some of these silent killers. *CE Code: 218E*

You Took What? Recognizing Toxidromes

Commonwealth 1

Joseph Grover, MD, FACEP, FAEMS

Unfortunately, drug ingestions remain a common complaint for collegiate EMS agencies. Little time is spent in most EMT courses describing the different toxidromes. The purpose of this lecture will be to break down common toxidromes to give providers a better understanding of how to recognize and treat common drug ingestions. *CE Code: 218F*

Docs in Camo: Is Military Medicine in Your Battle Plan?*Commonwealth 2**Tommy Renner, MD, LT US Navy*

In this engaging, open forum, join a Navy emergency medicine intern as they share their journey through military medical education and how it compares to the civilian path. Discover the military's focus on trauma resuscitation and providing care in austere, high-pressure environments. Come with your questions and leave with a clearer understanding of what makes military medicine a unique and rewarding career choice. *CE Code: 218G*

**Diverse Needs, Unified Care:
Interacting with Neurodiverse Populations***Sterlings 2-3**Yuna Lee, BS, EMT*

One distinguishing feature of collegiate EMS agencies are the particularly neurodiverse patient populations within their response area. Universities, with their diverse student and staff populations, are often affiliated with specialized care centers, creating a unique environment filled with individuals who have a wide range of distinct needs. Within the Emory community especially, centers such as the Marcus Autism Center and Wesley Woods cater to specialized populations; as such, the corresponding approach for these populations requires bespoke care. While providers are rigorously trained for the technical aspects of patient care, guidance on how to interact with various neurodiverse patients is often sparse and can be overlooked. This presentation highlights nuanced approaches providers can use to better patient interactions with neurodiverse populations. By drawing on previous research into the biological and neurological mechanisms underlying specific behavioral outcomes, as well as EMS studies that employ targeted strategies for these populations, providers can be better equipped to handle situations that might otherwise feel unfamiliar or challenging. Overall, research-based techniques will be presented to inform providers of methods that can be utilized to address diverse patient populations in a patient-centered, inclusive, and culturally competent manner. *CE Code: 218L*

Roundtable: Training*Benedum**Laura Hanson, DO and Catherine Gibbs, BSN, RN, PHRN*

For this roundtable discussion, NCEMSF Leadership will moderate conversations addressing training issues on college campuses. Discussion will revolve around building an EMS training program that is effective, long lasting, and influential. Learn from each other how to develop curricula, train on-scene, and create a standardized training module. *CE Code: 218H*

Roundtable: Engaging Your Alumni Network*Duquense**Joshua Glick, MD, FACEP*

This discussion will focus on sharing ideas to lay the foundation for and build an alumni organization after graduation. Keeping collegiate EMS members in touch far beyond the graduation date is just as important for the group as building the EMS organization in itself. Be prepared to share ideas, generate suggestions and learn from other alumni in what works and what doesn't when it comes to laying the groundwork for a successful alumni group. *CE Code: 218I*

**Skills: Nothing "Basic" About It
Advancing Positive Pressure Ventilation***Brigade**Les Polk, MS, NRP, FACPE, CEMSO*

Bag valve mask ventilation is considered a skill well within the scope of practice of an EMR and EMT and is foundational for advanced airway maneuvers performed by AEMTs and Paramedics. This "basic" skill is actually quite complex to master and inherently dangerous to patients if performed by unskilled hands. This skill session will provide a deep dive into methods, techniques, and technology to enhance the safety of this critically-important skill until more advanced airway maneuvers can be implemented. You can expect to learn at least have a dozen actionable changes to your clinical practice you can discuss with your medical director for implementation at your EMS service. *CE Code: 218J*

Skills: Radiation & Hazmat Response*Rivers**Ryan Hay, MSN, PHRN*

Part-two of the Hazardous Materials Considerations for the Campus Provider session, focusing on hands-on practical skills application discussed during part one. This includes radiation contamination monitoring with radiation sources, use of the ERG, etc. *CE Code: 218K*

05:00 PM - 06:00 PM Major John P. Pryor, MD Memorial Lecture

Introduction

George J. Koenig, Jr, DO, NCEMSF President

Legacy of Freedom House Ambulance Service

John Moon, Assistant Chief (Ret)

In the late 1960s, John Moon and the Freedom House Ambulance Service transformed emergency medical care, establishing the first paramedic-led ambulance service in the United States. Operating in Pittsburgh, Freedom House provided advanced pre-hospital care at a time when emergency response was unregulated and often inadequate. Staffed primarily by Black men and women, the program not only saved lives but also set the foundation for modern EMS protocols, despite facing racial and systemic challenges. This lecture examines the pioneering efforts of Freedom House, John Moon's leadership, and the service's influence on contemporary paramedic training. It also highlights the racial and social justice issues that shaped Freedom House's legacy and led to its eventual dissolution. By understanding this history, we recognize the crucial role of equity in emergency medical care and the lasting contributions of Freedom House to the EMS system we rely on today. *CE Code: 219A*

06:00 PM - 07:00 PM Business Meeting & Awards Presentation *Grand Ballroom 1-2*

Learn how the Foundation continues to grow and mature, where the Foundation is heading and how you can participate. Learn how NCEMSF can better serve you through all of its various programs and member benefits. Includes brief introductions and reports from the NCEMSF Executive Officers, Division Coordinators and Committee Chair-people followed by the annual awards ceremony.

Awards Ceremony

Grand Ballroom 1-2

NCEMSF recognizes outstanding efforts made by individuals and organizations through its awards program. The winners of the Stryker EMS Skills Classic and CPR Challenge will be announced. New additions to NCEMSF's Striving for Excellence, MERIT, HEARTSafe Campus and EMS Ready Campus Programs will also be acknowledged. Campus EMS providers who have participated directly in a CPR save over the past year will be commended.

Richard W. Vomacka Student Speaker Competition

Collegiate EMS Research Award

Collegiate EMS Week Celebration of the Year

Collegiate EMS Video of the Year

Collegiate EMS Community Engagement Program of the Year

Collegiate EMS Advisor of the Year

Collegiate EMS Provider of the Year

Collegiate EMS Organization of the Year

George J. Koenig, Jr, DO NCEMSF Service Award

07:00 PM - 08:30 PM Alumni Mixer and Networking Event *Sky Top Lounge*

Campus EMS Alumni are invited to join NCEMSF leadership for the alumni mixer. Reminisce with old friends and catch up on happenings since graduation. Network with our accomplished group of speakers (a significant number also alumni) and exhibitors. Conference badge with "Alumni" designation and proper ID required.

07:00 PM *Dinner and Evening Activities*

After a long day, it's time to unwind and eat! Try one of the many restaurants surrounding the conference facility. Consider pairing up with another squad and eating together and continuing conversations from earlier in the day. After dinner, there is plenty to do! Stay out and enjoy Pittsburgh or return to the party at Club NCEMSF and Casino!

10:00 PM - 02:00 AM Club NCEMSF and Casino *Grand Ballroom 1-2*

Join the party at the NCEMSF Club and Casino! No need to congregate in the halls or cram large groups into a small hotel room, when you return to the hotel from dinner, join the festivities!

Join the rest of your fellow collegiate EMS providers and "gamble", dance and sing the night away with our live DJs - Karsten Taylor (10p-12a) and DJ Hipnotik (12a-2a). Try your hand at beating the NCEMSF house at your favorite casino games including Black Jack, Poker, Craps, Roulette, etc...Prizes are

available including a plethora of EMS supplies. No worries, there is no penalty for losing and no real money will be exchanged. Play risk free! At the end of the evening, cash your chips out for a chance at winning big.

The casino will close at 1:00 am, but the music will continue until 2:00 am, and the room will remain open for an additional while as a place to congregate without disturbing other hotel guests. Please utilize this space. Light refreshments will be served.

10:00 PM

"Join or Die" Movie Screening

Commonwealth 2

This feature documentary follows the half-century story of America's civic unraveling through the journey of legendary social scientist Robert Putnam, whose groundbreaking "Bowling Alone" research into America's decades-long decline in community connections could hold the answers to our democracy's present crisis. Flanked by influential fans and scholars – from Hillary Clinton, Pete Buttigieg, and Surgeon General Vivek Murthy to Eddie Glaude Jr., Raj Chetty, and Priya Parker – as well as inspiring groups building community in neighborhoods across the country, join Bob as he explores three urgent civic questions: What makes democracy work? Why is American democracy in crisis? And, most importantly... What can we do about it? Run time: 99 minutes. See <https://www.joinordiefilm.com/> for additional information.

Sunday, February 23**07:30 AM - 08:30 AM Continental Breakfast***Ballroom Foyer***08:00 AM - 08:50 AM Workshop Session 11****No Drugs? No Problem: BLS Pain Management***King's Garden 1-2**Gabriela Rifkind, BS, EMT-P*

As EMS providers we are confronted with patients in pain on a regular basis whether from trauma or medical conditions. There are a variety of things that BLS providers can do that can help alleviate or manage our patients' pain. This session will explore and grow the BLS pain management tool box. Specifically, we will cover various methods of positioning and splinting for a number of different painful complaints including traumatic injuries, abdominal pain, back pain, and migraines. We will also discuss the use of ice, heat, and distraction to reduce discomfort. Additionally, we will briefly review how BLS pain management techniques can augment pharmacological pain management when ALS is available. *CE Code: 311A*

Mission Possible: Empowering Your EMS Team*King's Garden 3-4**Alexandra Davidson*

Most leaders in a collegiate EMS agency are excited and passionate about being an EMT and furthering the agency. But what happens when they're not? What happens when you have to take on the workload because other people are "too busy" or simply don't want to? Motivating people who are the same age as you or older can be a daunting task. However, it is essential to being a leader and driving an EMS agency further. Here we will explore techniques to involve people at different levels of EMS agencies; all vital but with different roles to play. *CE Code: 311B*

UndeFLEETed: Advocating for Fleet Upgrades on your Campus *King's Garden 5**Dalton Kruppenbacher, B.S.*

As collegiate EMS agencies strive to increase the number and quality of services they offer, the need for upgrading their fleet becomes increasingly vital. This presentation will focus on how these collegiate agencies can effectively advocate for a fleet upgrade on multiple fronts. We will cover a variety of scenarios, including QRS to first response, first response to first transporting ambulance, and beyond. We will also touch upon ambulance refresh cycles and fleet-forward planning. During this session, we will emphasize data-driven strategies to help form a compelling case for fleet improvement. We will explore a variety of data points and benchmarks to consider when forming your proposals, including staffing, call volume, cost-benefit analysis, and many others. Through interactive discussions, attendees will leave with actionable insights into advocating for fleet advancement in their campus communities. Join us as we explore how to elevate your agency's operational capabilities and ensure quick access to resources in your community. *CE Code: 311C*

Now That's a Lot of Patients:*Grand Ballroom 3***MCI Management for the College EMS***DJ Lesh, BFA, NREMT and Gino Mollica, MA, NRP*

Ever considered your pivotal role in managing the initial moments of a Mass Casualty Incident (MCI) unfolding on your college campus? While you may not be expected to single-handedly oversee the entire spectrum of such large-scale incidents, being prepared to navigate the initial stages effectively is paramount for overall incident success. Join DJ Lesh and Gino Mollica in an insightful session to gain valuable insights into strategies empowering both individuals and organizations to adeptly handle the initial response to MCIs. This engaging lecture will encompass essential on-scene command tactics, resource allocation strategies, identification of potential equipment needs, and a thorough exploration of various training topics tailored to prepare your organization's responders for the challenges posed by Mass Casualty Incidents. By delving into these critical aspects, you'll be better equipped to contribute significantly to the coordinated efforts ensuring a swift and effective response in crucial moments. *CE Code: 311D*

Why is the secret service calling me?*Grand Ballroom 4**Gabriel Kanter-Goodell, BA*

You've taken ICS courses but never think you're going to need them outside of your nightmares. But you never expect to get a random phone call on a Sunday that you're going to need to use this knowledge -

and thankfully, it's all planned. In 24 hours, the Vice President is coming to campus and you're the EMS branch commander. How do you formulate an emergency action plan, facilitate staffing, and train your members for the event? You'll learn how we did it and how you can adapt this to your campus. *CE Code: 311E*

Extra Special Care

Commonwealth 1

Illana Ger, EMT-B

Many EMTs feel unsure and anxious when caring for individuals on the autism spectrum. This session will educate people on the importance of properly caring for individuals on the autism spectrum, and, hopefully, to make an ambulance ride a little less scary for them. This session will also dispel preconceptions many EMTs have about patients with autism. *CE Code: 311F*

Brewed Awakening: The Impacts of Caffeine

Commonwealth 2

Natalie Schwarzwald, BS and Benjamin Potts, BS

Caffeine is one of the most widely consumed substances in the world, deeply embedded in the routines of college students and healthcare workers alike. From its early use in tea and coffee to its presence in modern energy drinks and supplements, caffeine has become a staple for those facing demanding schedules. Whether it's a college student staying up late to study or a healthcare worker powering through a long shift, caffeine is often seen as a quick solution for maintaining energy and focus. However, heavy reliance on caffeine can come with challenges. Excessive intake may lead to disrupted sleep, increased stress, and long-term health concerns. The risks can be greater when caffeine is combined with substances like alcohol, medications, or other stimulants, leading to potential short- and long-term consequences. To support healthier lifestyles, it's important to approach caffeine use responsibly. Finding a balance by incorporating habits like better time management, regular sleep, and staying hydrated can reduce dependence on caffeine. For students and professionals in high-pressure environments, these changes can foster sustained energy and overall well-being, ensuring caffeine remains a helpful tool rather than a harmful crutch. *CE Code: 311G*

Pre-Med Panel

Birmingham

Zachary Matuzsan, DO

Many NCESMF staff and supporters have gone on to careers in the medical field as physicians. In this panel-style discussion, the panelists will talk about how their own experiences as a collegiate EMS provider prepared them for medical school and beyond. Attendees will have ample time for Q&A to gain better insights in the physician career path. *CE Code: 311H*

Skills: Advanced Airway Skills Lab

Sterlings 1

Benjamin Lawner, DO, MS, EMT-P, FACEP, FAMP

Endotracheal intubation and supraglottic airway placement are essential skills for the prehospital clinician. Rapid and effective placement of a "definitive" airway is predicated upon adequate exposure and skills practice. Dr. Lawner and colleagues will precept an intensive, manikin based skills session and review strategies for first pass airway success. Learn valuable skills such as igel placement, endotracheal intubation, and hyperangulated video laryngoscopy. *CE Code: 311I*

Skills: Integrating AI in EMS Education:

Heinz

Creating Synthetic Patients

Adhitya Balaji, BS, NREMT and David Rodgers, EdD, NRP

Artificial Intelligence (AI) use has taken off in the last two years after the introduction of Open AI's ChatGPT in November 2022. With natural language processing, AI is now accessible to everyone. This workshop will focus on using ChatGPT to create synthetic patients that can be interviewed and introduce how to write your own GPTs for custom situations. Participants should bring their own internet device to access ChatGPT. *CE Code: 311J*

09:00 AM - 09:50 AM Workshop Session 12

Mastering Ketamine: Enhance Your Sedation Strategy

King's Garden 1-2

Alex Bartlett, FP-C, NREMT-P

Participants seeking to expand their understanding of the induction medications used in RSI will be granted a deep dive into the pharmacokinetics and biointeractions associated with Ketamine and many

other commonly used sedation drugs. We will call attention to many of the lesser known facts, and misconceptions surrounding Ketamine and its proclaimed safety in every patient population at all doses. Our focus on Ketamine is intended to develop clinicians who retain a working knowledge of its full benefits when used appropriately, and its limitations in specific patient populations. Further, we hope to instill the benefits associated with employing use of shock index when selecting induction methods. When paired with our sedation alternatives, clinicians can be sure to meet every situation with adequate training and confidence to choose the appropriate sedation method. Upon conclusion of the training, participants will be given the opportunity to test their newfound skills in five unique patient scenarios that demand an intimate knowledge of the drugs at hand instilling the confidence needed to be ready to take to the field. *CE Code: 312A*

Championing Age-Friendly, Culturally Sensitive Care

King's Garden 3-4

Audrey Lam, BS, EMT-B

Become a leader in advancing culturally sensitive, age-friendly care within your collegiate EMS organization and local community. With the U.S. aging population growing rapidly, understanding the unique needs of older adults is more important than ever--yet it remains underemphasized in education and practice. This session will equip you with the knowledge and tools to address this gap so that you can champion a grassroots movement against ageism, a universal inequity. Explore the intersection of ageism and racism, understand how to provide age-friendly, culturally sensitive care, and learn what initiatives you can advocate for to deliver more equitable care. All baby boomers will be over 65 in just five years. Older adults use EMS twice as often as younger adults. Regardless of specialty, you will be treating older adults. The time to improve care is now. *CE Code: 312B*

HAZMAT Safety and Considerations for EMS Response

King's Garden 5

Joseph Wilson, BS, NRP, HMT

Hazardous materials incidents are one of the most dangerous incidents that responders of all disciplines are called to. Campus-based EMS is no exception to this. In this conference presentation, we explore the campus EMT role in hazardous materials incident response, mitigation, treatment and recovery. This presentation places an emphasis on maintaining safety of the providers and patients in the setting of a hazardous materials exposure. We will spend time talking about initial triage and treatment of patients exposed. We will also review materials and guides that should be used both in print and electronically to reference as a responder. Lastly, we will be discussing hazards that are unique to your campus and how to always maintain a culture of provider safety during the incident. At the completion of this course, students will have reviewed the basics of hazardous materials incidents. Students will be able to take the information presented in this course and apply it to their home campuses in order to maintain the highest level of safety and preparedness. *CE Code: 312C*

Deadly Mistakes: Examining EMS Squads in True Crime Cases

Grand Ballroom 3

Lillian Hohag, BA, NREMT-B

True crime is everywhere. On TikTok, television, X, magazines, movies, and books - people are fascinated with the horrors of our world. But what if as EMS providers we could eliminate some of this pain? As first responders, we are the first line of help for these victims and their communities - it is crucial to do our best work. This lecture will explore cases from Princess Diana to the Murdaugh murders and how EMS can improve outcomes of these cases by learning from their mistakes regarding transport/dispatch time, treatments/patient care, and victim/community support. *Content Disclosure: this lecture may discuss topics of violence, drug abuse, sexual assault, substance abuse, mental health, and homicide *CE Code: 312D*

Mama Mia: Recognition and Intervention of Obstetrical Emergencies

Grand Ballroom 4

Katherine Koontz, BS, EMT-B

In the US, rates of maternal morbidity and mortality continue to be significantly higher than any other developed country. While perhaps not a particularly common call on a collegiate campus, it is important that EMS providers know how to assess pregnant and newly postpartum individuals for potentially devastating conditions or complication. Being able to properly notify the receiving hospital, and knowing what information to include in a report, can be vital in expediting patient care and improving patient outcomes. *CE Code: 312E*

**Awkward to Awesome:
Turning Difficult Dialogues into Exquisite Exchanges**

Commonwealth 1

Eric Garrison, MAEd, MSc

Have you resorted to an email or text, because a face-to-face interaction would feel too weird? Before a disciplinary action, do you talk to your crew to figure out what they did wrong above all else? Have you or a member of your crew dated and broken up (or perhaps are still happily dating!) and that has become an uncomfortable situation? Have you left a meeting with Campus Police or "the Administration" feeling like less of a person? Finally, have you avoided any communication whatsoever (or micromanaged the communication), hoping that the problem would just resolve itself? If you answered yes to one of the above, Eric Garrison, an international speaker on healthy relationships and boundaries, invites you to learn how to craft a more effective communication style. This inspirational program is useful for anyone in collegiate EMS, whether you are a leader (with or without a position), a follower, a mentor, or protégé.

CE Code: 312F

Intervening Against Impending Doom

Commonwealth 2

Sarah Hargett, BS, NREMT-B

Traumatic injuries are a leading cause of death in the prehospital timeframe, with uncontrolled hemorrhage, neurotrauma, and asphyxia as the predominant culprits. This talk will explore the epidemiology of prehospital deaths, the causes of these deaths, and clinical signs that warn of the patient's impending doom. We will further explore interventions available to BLS and ALS providers, as well as updated information on research that aims to change the outlook for these patients' survival. *CE Code: 312G*

Roundtable: Administrator/Advisor/Medical Director

Benedum

Joshua A. Marks, MD, FACS, FCCM, NCEMSF Secretary

In this roundtable dedicated to campus administrators, EMS advisors and medical directors present, NCEMSF Leadership will continue discussing concerns of university officials and address issues that they may be facing on their campuses. Meet your fellow university administrators, advisors and medical directors in attendance. *CE Code: 312H*

Roundtable: Startup

Duquense

Joseph Grover, MD, FACEP, FAEMS, NCEMSF Startup Coordinator

This roundtable discussion will be devoted specifically to aiding new startups in applying all that they learned at this year's conference and helping them determine the next steps in furthering their organizations as they prepare to return to their campuses. *CE Code: 312I*

Skills: 12 lead ECG Interpretation Lab and Discussion

Sterlings 1

Benjamin Lawner, DO, MS, EMT-P, FACEP, FAMP

BLS clinicians are increasingly tasked with obtaining 12 lead ECGs and recognizing potentially dangerous findings. Identification of STEMI and other acute injury patterns represents a mortality based intervention. Dr. Lawner will host an interactive discussion session focused on high yield topics. Hone your ECG interpretation skills while developing a systematic approach for basic 12 lead ECG analysis. *CE Code: 312J*

Skills: Integrating AI in EMS Education:

Heinz

Creating Simulation Scenarios

Adhitya Balaji, BS, NREMT and David Rodgers, EdD, NRP

Artificial Intelligence (AI) use has taken off in the last two years after the introduction of Open AI's ChatGPT in November 2022. With natural language processing, AI is now accessible to everyone. This workshop will focus on using ChatGPT to create simulation scenarios, obtain feedback on simulation performance, and introduce how to write your own GPTs for custom situations. Participants should bring their own internet device to access ChatGPT. *CE Code: 312K*

10:00 AM - 10:50 AM Workshop Session 13

1 Heart 2 Lungs: The Beta Bunch

King's Garden 1-2

Ari Sanders, BS, AEMT-Paramedic, CCEMTP

All things Beta! Beta adrenergic receptors play a key role in our treatment of patients. We frequently use medications that stimulate or block beta 1 and beta 2 receptors, and our patients are often prescribed these medications already. There are so many different indications for them! This talk aims to review medications we carry in EMS (like albuterol, epinephrine, and metoprolol) as well as some commonly prescribed home meds (other beta blockers mostly). We'll discuss the many uses for them, their pharmacodynamics, as well as how to treat overdoses. *CE Code: 313A*

EMS Physician Extenders:

King's Garden 3-4

What You Could be Doing After Graduation?

Stephen Gerber, MSN, MSHS, APRN, NRP

EMS advanced practice providers (APPs) play an integral part of the delivery of services in many EMS agencies. Until recently most Physician Assistants and Nurse Practitioners working in EMS were limited to extending the capabilities of the community paramedic. This talk will expound on the various positions that APPs can hold within an EMS agency including a review of The National Association of EMS Physicians position statement on APPs in EMS. We will talk about why we need experienced, college-educated, EMS professionals to take on these roles as physician extenders and how to get there. *CE Code: 313B*

1st Due Action for the Non-Transporting EMT

King's Garden 5

J. Dominic Singh, BA, NRP, I/C

The focus of initial EMT training is primarily based on arriving as the transporting unit. Many EMTs in the field work for non-transporting agencies that call for a different focus. The purpose of this program is to provide a framework for non-transporting EMTs to manage the scene and patient to optimize outcomes and ensure a smooth transfer of care to the transporting agency. *CE Code: 313C*

We Are Harming Our Patients- QA and Patient Safety

Grand Ballroom 3

Daniel Burke, MBA, NRP

In 1999 the paper To Err is Human asserted that data suggested that as many as 100,000 Americans die by medical error; More than of gunshot wounds and car crashes combine. This paper started the modern era of the Patient Safety science movement. Just a few years later, the Federal Government passed the Patient Safety and Quality Improvement Act of 2005. This law created Federal recognition of Patient Safety Organizations (PSOs) and provided confidentiality protections for healthcare organizations doing patient safety work. PSOs have been widely adopted in the brick-and-mortar healthcare space but have been largely ignored by EMS organizations. This presentation will discuss, at the awareness level, the history of Patient Safety, the current status of the Patient Safety movement, explain Patient Safety Organizations (PSOs), explain a Just Culture, explain high reliability organizations, and demonstrate how EMS agencies participating in PSOs can improve their agency culture and outcomes while reducing patient risk and harm. *CE Code: 313D*

Recognizing and Supporting Survivors of Human Trafficking

Grand Ballroom 4

Zoë Warczak, MD, MEd, FAAP, NREMT

Human trafficking has serious effects on the physical and emotional health of survivors. Many adolescents and young adults experiencing human trafficking encounter healthcare providers during the course of their trafficking, yet most patients go unrecognized for a number of reasons, such as healthcare provider biases/misconceptions about trafficking. This lecture provides an overview of the types of human trafficking with a focus on the college environment, explains possible indicators of human trafficking, discusses potential barriers to self-disclosure during EMS patient encounters, describes survivor-centered frameworks for screening for trafficking in an EMS environment, and teaches participants to apply a trauma-informed approach when providing pre-hospital care to young adult and adolescent patients who are experiencing trafficking. *CE Code: 313E*

Mythbusting EMS: Evidence-Based Insights into Pre-Hospital Care

Commonwealth 1

Nicholas Valentini, MD

Pre-hospital care is a dynamic and rapidly evolving field, yet many myths persist in everyday EMS practice. This presentation aims to challenge common misconceptions in pre-hospital medicine by presenting the latest evidence-based recommendations and highlighting research that refutes outdated practices. We will explore myths related to trauma care, resuscitation protocols, pharmacological interventions, and patient assessment--examining how these persistent myths continue to influence EMS decision-making despite advancements in clinical guidelines. Additionally, we will explore the underlying factors that contribute to the persistence of these myths, including historical practices, anecdotal experiences, and the challenges of translating research into field protocols. Through a comprehensive review of current evidence, participants will learn practical strategies to stay informed, critically evaluate new information, and integrate best practices into their daily operations. By the end of this session, EMS practitioners will be equipped with the tools to challenge misconceptions in pre-hospital care and adopt evidence-based practices that improve patient outcomes. **CE Code: 313F**

Prehospital Burn Management

Commonwealth 2

Emily Locke, BS, NREMT-B

Burns can be caused by a number of different mechanisms and factors. In this CME we will cover the skills you need to have when responding to a burn emergency. The goal is to ensure providers have the tools they need to assess a scene, determine the source and type of burns, calculate the burn TBSA, treat burns in the pre-hospital setting, and make proper transport decisions. Providers will also gain an understanding of what patients may expect upon arrival at the hospital and as part of long-term care plans. The topics covered will be reviewed through discussion of two case studies to apply skills and protocols reviewed. Acknowledging the complexities of burn patients and the treatments required will empower EMS providers to have confidence in the treatment of these patients, ensuring quality care. **CE Code: 313G**

Meet the Programs: HEARTSafe, EMS Ready, and MERIT

Birmingham

Gabe Gan, MPH, NRP, Joshua Glick, MD and Eric Pohl, MS, NRP, NCEMSF Staff

The HEARTSafe Campus, EMS Ready Campus, and MERIT recognition programs are designed to support and recognize collegiate EMS organizations that demonstrate excellence in cardiac arrest preparedness, emergency management/disaster preparedness, and overall campus EMS operations. This session, led by the staff members responsible for each program, will provide a comprehensive overview of the criteria, benefits, and updates for each initiative. Participants will learn how these programs promote community awareness, improve campus preparedness, and encourage continuous quality improvement in EMS operations. Tips for successfully navigating the application process will be shared, along with common challenges and ways to ensure successful submission. The session will conclude with an interactive Q&A, allowing participants to seek advice and clarification on how their campuses can benefit from these prestigious recognitions. **CE Code: 313H**

Skills: Lead the Charge: Stop the Bleed Instructor Training

Sterlings 1

Tommy Renner, MD, LT US Navy

As EMTs, you're equipped to lead Stop-the-Bleed certification courses! These life-saving classes, designed and approved by the American College of Surgeons, enhance campus safety, build community connections, and sharpen leadership skills. Join us for this hands-on "train-the-trainer" session to become an official Stop-the-Bleed instructor. Not only will you become a blood-stopping force multiplier, but this certification will also stand out on your professional applications. Limit one member from each unit, as you will be able to train other instructors later. **BRING A LAPTOP CE Code: 313J**

11:00 AM - 11:50 AM Workshop Session 14

Bundle of care: Management of suspected opioid overdoses

King's Garden 1-2

Simon Taxel, MPH, NRP

A bundle of care approach to suspected opioid overdose provides the foundation for a compassionate, comprehensive, holistic, and evidence-based standard of care for a highly marginalized patient population that includes appropriate reversal as well as referral to recovery services. It establishes that oxygenation and BLS airway management are the primary lifesaving interventions, with a focus on the normalization of vital signs, specifically SPO2 and ETCO2, prior to naloxone administration, which then

facilitates reversal with the lowest possible doses of naloxone. This is likely to reduce the incidence of adverse events including agitation, vomiting, and precipitated withdrawal and it addresses the complexity of the problem caused by the high level of contamination in the illicit drug supply. When a patient does not return to baseline functionality after naloxone administration, it highlights that the right intervention is supportive care and transport as opposed to more naloxone. It reinforces the fact that even in the era of fentanyl and its analogs, low dose naloxone, especially when given IV, is sufficient to reverse the overwhelming majority of overdoses. Finally, it establishes that providing harm reduction and recovery resources like leave behind naloxone is the expectation, not just an "extra" intervention. *CE Code: 314A*

That Kid Just Passed Out! A Discussion of Pediatric Syncope *King's Garden 3-4* *Ari Sanders, BS, AEMT-Paramedic, CCEMTP*

Why do kids pass out? What are some of the causes, and how can we try to determine which (if any) is the problem today? What do we do if their parent wants to refuse transport? This presentation aims to discuss all of those questions and familiarize the audience with considerations for assessment, treatment, and transport of pediatric syncope patients. Target audience includes both ALS and BLS providers. *CE Code: 314B*

Scene Safety, Leadership & Communication-It's All Connected *King's Garden 5* *Daniel Maas, CEM, EMT-B*

Patient care skills take up most of our training time with little emphasis given to topics like scene safety, leadership, and communication. But we must connect and master these topics if we plan to protect ourselves and ensure positive patient outcomes. Come learn some skills and behaviors that can improve your ability to keep your crew safe and provide better patient care. Learn some techniques to improve scene safety and incident management and see the variety of unique hazards and situations that are found on college campuses. *CE Code: 314C*

Call It or Not?: An MCI Case Study *Grand Ballroom 3* *Harrison Leinweber, MS, NRP*

Arriving first on scene to a large-scale EMS incident is stressful, nerve-wracking, and often confusing. One of the hardest questions to answer is, "Is this an MCI?" Whether you are a sole EMT, a transporting ambulance crew, or a supervisor, actions you take as the first arriving medical unit can positively affect the outcome of the incident. Using a residential structure fire 8 miles north of Pittsburgh, PA as a case study, this lecture will explore the definition for mass casualty incidents, considerations for first-arriving responders, and EMS operations at expanded incidents. *CE Code: 314D*

Snap Judgments, Serious Consequences: Bias in Prehospital Care *Grand Ballroom 4* *Cole Matthews*

Collegiate EMS clinicians play a critical role in delivering pre-hospital care to diverse and dynamic campus communities. Operating within a landscape of evolving policies and societal expectations, they encounter challenges such as implicit bias, access disparities, and shifting regulatory requirements. This presentation explores the psychology of bias, examining its development, manifestation, and influence on decision-making under pressure. The discussion will highlight approaches to fostering cultural competence, promoting inclusivity, and addressing systemic inequities. Join us to explore how collegiate EMS can lead the charge in creating a more just and effective pre-hospital care system. *CE Code: 314E*

Light Em' Up? *Commonwealth 1* *Brian Maloney, MS*

Light Em' Up? looks at an improvement project focusing on appropriate use of lights/siren taken on by an EMS organization with the ultimate goal of increasing the safety of the crew, patient, and community without jeopardizing patient care. The results on this project exceeded everyone's expectations and resulted in the organization receiving the NAEMT-ACEP Safety in EMS Award in 2023 for their outstanding contribution to the advancement of safety in EMS. *CE Code: 314F*

Hiking, Camping, Outdoors: That Stuff Can Kill You

Commonwealth 2

Jonathan McMahon, DO, MA

Dispatch says, "21-year-old female with rashes, fever, headache, shortness of breath." Another routine transport to the hospital... or is it? The smallest of organisms transferred to us by some of the smallest animals can have some of the biggest impacts on our patients and ourselves! Come hear about tick- and mosquito-borne illnesses and why we should be worried. While not required, bug spray is recommended for this trek through Arbo Forrest. *CE Code: 314G*

Roundtable: Emergency Management

Duquense

Eric Pohl, MS, NRP, NCEMSF Emergency Preparedness Coordinator

During this roundtable, NCEMSF Leadership will moderate a discussion about campus preparedness focusing on the basic principles and phases of emergency management, the critical role for collegiate EMS, and how to get involved in the whole process, including information about NCEMSF's EMS Ready Campus. *CE Code: 314I*

Skills: Hemorrhage Control - Beyond Stop the Bleed

Sterlings 1

Jeffrey Huggins, BS, NRP, CEM and Todd Tracey, BS, EMT

EMS clinicians show up on a citizen's worst day expected to calm the chaos. According to the National Trauma Institute, a traumatic injury, hemorrhage, or major loss of blood, is responsible for over 35 percent of pre-hospital deaths and over 40 percent of deaths that occur within the first 24 hours. This training session will give you a hands-on opportunity to learn proper hemorrhage control techniques - from tourniquets, to hemostatic agents, to wound packing. We'll cover the current research on hemorrhage control, and how we can use evidence based medicine to do right by our patients. *CE Code: 314H*

12:00 PM - 12:30 PM Conference Wrap-Up

King's Garden 5

Review the weekend highlights. Take advantage of this final opportunity to network with your regional coordinators and your new-found friends from across the country. We hope that you leave this conference energized, and we look forward to hearing about your progress throughout the year through the regional coordinator network and in future editions of The Journal of Collegiate EMS. See you next year!

Conference Presenter Biographies

Adhitya Balaji, BS, NREMT

Adhitya Balaji is currently a second year medical student at the IU School of Medicine. Adhitya joined IC-EMS during his freshman year of undergraduate school, serving as the Co-President his senior year prior to becoming the Graduate Advisor. He graduated from IU Bloomington in May 2023, double majoring in Molecular Life Sciences and Neuroscience with a minor in Economics. Adhitya is involved in quality assurance and education for IU Health LifeLine, the largest and most comprehensive EMS agency in Indiana, supporting critical care transport teams, 911 services, and inter-facility transports. He also continues to work clinically as an active EMT on a 911 ambulance. Adhitya serves as a member of the American Heart Association Training Faculty at IU Health Bloomington and as the Director of Midwest Outreach for the Journal of Collegiate EMS. Adhitya is an active researcher with research interests in EMS, simulation, quality improvement, and medical education. After medical school, Adhitya plans to pursue clinical interests in emergency medicine with an eventual fellowship in pre-hospital medicine.

Alex Bartlett, FP-C, NREMT-P

Alex Bartlett is a practicing flight paramedic for Arch Air Methods Corp. He obtained his initial degree from Missouri State University before pursuing his paramedic training at Crowder Community College in Neosho, MO. Alex has served in various roles as a ground and flight paramedic, including his time as a tactical paramedic for Springfield, MO SWAT, an ECMO specialist for Air Methods, and a hazmat specialist for the Springfield, MO biological response team. He has been fortunate to work at numerous Air Methods bases across the country, gaining insight into the stark variations in habits and routine clinical practices found in different areas. Upon returning to school, Alex obtained a second degree from the University of Missouri in cellular and molecular biology, motivated by his interest in completing pre-medical coursework. He is currently pursuing his aspirations of becoming a physician through the Arkansas College of Osteopathic Medicine, with hopes of one day serving as an EMS medical director. Alex, along with his wife and daughter, resides in Fort Smith, Arkansas, to support his academic goals, and they have been involved with local EMS and area hospitals. In their free time, the family enjoys backpacking, reading, and participating in various sports. They plan to continue their stay in Fort Smith until residency necessitates a move elsewhere.

Hendrik Bilek, BSN, RN, CFRN, C-NPT, NHDP-BC, PHRN

Hendrik is a registered nurse, certified pediatric trauma nurse, board certified national healthcare disaster professional, certified flight nurse with neonatal and pediatric transport certification and pre-hospital registered nurse in the Trauma Resuscitation Unit (TRU) of the R Adams Cowley Shock Trauma Center in Baltimore Maryland. This 10 bay resuscitation unit sees over 5,000 patients a year with an overall survival rate of 96%. Previously Hendrik was on the Emergency Critical Care Transport Team at The Children's Hospital of Philadelphia where he transported patients from all over the region and across the country by ground and air. Hendrik was also a team leader on the HERT team for the hospital which includes in-hospital emergencies and decontamination of incoming patients. Previously an ED nurse and trauma team leader at the children's hospital, Hendrik treated a wide variety of pediatric patients. He was also a EMS lieutenant and firefighter for the Tinicum Township Fire Company which responds to 3,000 fire/EMS 911 calls a year. Hendrik is an alumni of FEMA CDP's course on EMS operations in CBRNE incidents. Hendrik graduated from Drexel University with a bachelors degree in nursing with a minor in emergency management. While at Drexel he was a part of Drexel EMS where he served several positions including training Lt, captain, and chief. Hendrik has been involved in fire and EMS since 2010. He is a Connecticut native where his roots in fire and EMS started.

Joshua Brown, MD

Dr. Brown was an emergency medical services provider for eight years, working for Rural/Metro Medical Services in Buffalo, NY, and served as the Director of Operations for the University of Rochester Medical Emergency Response Team in Rochester, NY. He is also the PI of the Prehospital Resource Organization and Delivery of Care in Trauma Systems (PRODCS) Lab. He is interested in the role of air medical transport for injured patients, as well as the geospatial organization of trauma systems. The lab also studies prehospital resuscitation strategies and field triage of the injured patient. Dr. Brown obtained a Master of Science in Clinical Research, developing expertise in large database management and advanced techniques for analysis of observational data.

Jeff Bruggeman

Jeff Bruggeman has served in the Fire/EMS service for 36 years. He started his career with six years as a crash/rescue specialist in the US Air Force. He has been certified as a paramedic for over 30 years, and an EMS instructor for over 25. He is currently a full-time firefighter/paramedic Captain (shift supervisor) with a career department. He also is the owner of an instructor for his own EMS/fire education company, which has provided the University of Dayton EMS with an annual EMT course for 14 years. For eleven of those years, Jeff has served as the primary instructor.

Daniel Burke, MBA, NRP

Dan, who lives near Washington DC, is a graduate of Franklin and Marshall College in Lancaster, PA where he served as a Lieutenant, Captain, and the Director of Operations/Chief of Franklin and Marshall EMS. After graduation Dan volunteered as a supervisor with Franklin and Marshall EMS while pursuing his Paramedic Certification. Since entering the EMS industry, Dan has been focused on improving our national EMS system. Currently, Dan is the Director of Emergency Medical Services (EMS) for the Center for Patient Safety. As a Nationally Registered Paramedic, he has over a decade of experience in EMS operational leadership, policy, quality, public health, and regulation. Dan has held leadership and administrative roles a variety of EMS agencies with a focus on systems improvement from small volunteer organizations, an interfacility critical care transport organization, and municipal fire and EMS departments. Prior to working for The Center, Dan served as the State EMS Director for Washington DC. He also serves in numerous volunteer capacities including as the Sr. Vice President of the Baltimore County Volunteer Firefighter's Association and as the Chief of his hometown ambulance service, Monkton Volunteer EMS.

Kori Burz, M.S.

Kori brings over a decade of impactful leadership experience as the Chief Operating Officer (COO) of an esteemed training organization, Kori orchestrated a paradigm shift towards a human-centered environment. Her leadership ethos centered around fostering unity through embracing difficult conversations and offering feedback with honesty, fairness, and empathy. Throughout her tenure, Kori's transformative approach resulted in a remarkable retention rate. Her neurodivergent perspective serves as her guiding compass, allowing her to navigate and innovate within intricate team dynamics. Kori firmly believes that understanding people is the essence of successful business interactions. Her profound philosophy, "We're all in the business of people; if you don't 'know' people, you don't know business," underpins her leadership style. Eager to share her insights and practical strategies, Kori aims to empower other organizations, particularly collegiate EMS, by revolutionizing training and communication practices. Her commitment to cultivating inclusive, authentic environments within EMS settings reflects her passion for fostering thriving and cohesive teams. Kori's expertise, rooted in hands-on leadership and a commitment to inclusivity, positions her as a guiding force in redefining training paradigms and nurturing impactful communication strategies within EMS.

Brian Collins, PM

Career paramedic with multiple 911 services with 22 yrs experience. Team member for PA State EMS Strike team, deployed to Hurricane Katrina & Rita/Ike. EMS educator for Cooper University Hospital. And prior transplant coordinator for Gift of Life, Philadelphia PA. Presently, territory manager for Intersurgical Inc, complete respiratory manufacturing company as the company product expert for respiratory equipment.

Colton Conrad, MD

Colton Conrad completed a BS in biochemistry in 2015 and graduated with an MD in 2021. He is currently an emergency medicine physician enrolled in an EMS fellowship at Baystate Medical Center. Colton has a strong interest in prehospital, disaster, and wilderness medicine.

N. Alex Cutsumbis, BS, NRP

Alex is a graduate of the SHRS Emergency Medicine Program and has been involved in EMS since 2008. After initially having a career in Information Technology he volunteered with the Red Cross during hurricanes Katrina and Rita. He has worked as a field medic, EMS supervisor and Operations Director. He currently is an instructor for the University of Pittsburgh and Center for Emergency Medicine paramedic education programs.

Alexandra Davidson

Alexandra served as the Chief of Service for Hobart and William Smith Colleges EMS during her junior and senior year. She worked as an EMT-B for three years during her collegiate career and worked more than 4,000 hours. During her time as Chief, she obtained the HEARTsafe campus recognition from NCEMSF and won Most Influential Club on Campus from HWS. She also worked as a CPR instructor, and certified over 15% of the campus by the time she graduated. She currently works as a Dental Assistant in a Periodontal and Surgery Center as she applies to dental school.

Gabriel Diamond, BS, NRP, FP-C

Gabe started attending Carnegie Mellon University in 2010 as a chemistry student, joined Carnegie Mellon EMS, and realized he liked EMS much more than chemistry. He has had a career in EMS and Emergency Medicine ever since. He worked as an ER tech at UPMC Mercy and then worked his first paid EMS positions at Munhall EMS and Plum EMS while attending paramedic school and completing his bachelor's degree in Emergency Medicine at the University of Pittsburgh. He went on to work as a paramedic for Pittsburgh EMS and then became a Flight Paramedic. Gabe is currently a Flight Paramedic for STAT MedEvac, an EMT and paramedic instructor at the Center for Emergency Medicine, and lectures for the critical care paramedic class at both the Center and the University of Pittsburgh.

James Dlutowski, B.S., NRP

James began his EMS career in high school just north of Pittsburgh in 10th grade. Once certified, he joined the Seville Volunteer Fire Company. He was accepted to the University of Alaska, Fairbanks where he studied biochemistry and attended paramedic class at night while volunteering with the campus and local Fire/EMS agencies. After graduating, he returned to the Pittsburgh area and has worked in field, teaching and management positions throughout the region. Today, he is a District Chief for Pittsburgh EMS and offers private training, certification and consultation services.

Bram Duffee, PhD, EMT-P

Bram Duffee, PhD, EMT-P, is a full-time paramedic based in Houston and the host of the podcast "EMS Research with Professor Bram" sponsored by JEMS. He holds faculty positions at Kennesaw State University and the First Responder Behavioral Health Institute. Bram also authored two books on communication including the latest, "Hypnotic Communication in Emergency Medical Settings: For Life-saving and Therapeutic Outcomes."

Kevin Duffy, MD

Kevin Duffy, MD began his career in medicine as a volunteer EMT and then paramedic in the Pittsburgh region. He attended the University of Pittsburgh for both his undergraduate degree as well as for medical school. Dr. Duffy subsequently completed his residency in emergency medicine at UPMC, where he served as the residency EMS co-chair and a prehospital physician with the City of Pittsburgh EMS. He is currently an EMS fellow at the University of Pennsylvania in Philadelphia, PA and is heavily involved with the Philadelphia Fire Department as well as multiple suburban EMS agencies.

Sheila Elliott, MS, LP

Sheila's journey into EMS began with one of her children who was born with a severe heart defect, requiring 5 open heart surgeries. Her son's medical condition led her into the world of EMS and EMS education in 2007. She has worked as a paramedic in the fire department, private EMS, hospital ER and in organ transplant. She has also had a passion for education as she began her career as an elementary music teacher upon graduating from Texas Tech in 1991. As the EMS Director for University Emergency Medical Response at The University of Texas at Dallas, Sheila oversees the management of the campus EMS organization which is in service 24/7 as an ALS response with 70+ volunteer EMS providers. In addition, Sheila is the Advanced Coordinator of the campus EMS Education program which has taught over 400 EMT and Advanced EMT students since its creation in 2020, during the height of COVID. The EMS program has a 95% first time pass rate on the NREMT exam and is also the preferred program for the area fire departments to send their employees to for their EMT certification. Sheila has been married to her husband, Jason, for 31 years and has three sons (Dillon 23, Ethan & Colby 20).

Caleb Ferroni

Caleb Ferroni, Paramedic, is an EMS instructor for the UH Hospitals Paramedic program. Caleb started his career in 2004 as a Firefighter EMT. He now works full time at the Munson Fire Department serving as a Chief Officer. He is involved in many facets of EMS delivery in the region. Caleb is also an embedded paramedic with a bomb squad. He loves educating and all things Emergency Medicine.

Joshua Freund, MHS, DMSc

Trained as a Wilderness EMT during my senior year of high school and went on to participate in collegiate EMS at the University of New Hampshire. Pursued Paramedic credentials at the University of Maryland Baltimore County while completing a bachelor's degree. Worked at Sussex County EMS before going on the Physician Assistant (PA) school at Quinnipiac University. Made a 20 + year career in multiple specialties, including Emergency Medicine and Pediatric Emergency Medicine, before pursuing a doctoral degree and transitioning in PA education. I now work as a core faculty member at the Quinnipiac University PA program focused on academic student success.

Eric Garrison, MAEd, MSc

This year marks Eric's triumphant 37th year of trailblazing Title IX work and his remarkable 22nd appearance as a returning speaker at the highly esteemed NCEMSF conference. With an unwavering commitment to fostering safer and more inclusive communities, Eric has devoted nearly three decades to training EMS providers, law enforcement officers, firefighters, doctors, scientists, medical students, Greek organizations, and college athletic teams worldwide. From Oxford, Mississippi to the hallowed halls of Oxford University, and even across distinguished institutions such as the CDC and NASA, Eric's global reach knows no bounds. An accomplished author and internationally acclaimed public speaker, Eric has been a guiding force at numerous universities with NCEMSF membership. His expertise in sexual assault response, trauma-informed care, and fostering student well-being continues to empower and educate communities in need. We are thrilled to welcome Eric back to the conference stage this year, as he addresses the pressing issues of sexual assault response and managing the unique stresses faced by our members throughout the pandemic. Don't miss this opportunity to connect with Eric and learn from his vast experience! You can reach him through his website at www.ericmgarrison.com or feel free to strike up a conversation with him directly at the conference - he can't wait to meet you all!

Illana Ger, EMT-B

Illana Ger graduated from SUNY Oneonta in Spring 2024. She is currently pursuing a master's degree in Applied Behavior Analysis from Florida Tech. Since 2022, Illana has been working with children and adults with Autism, fueled by her strong passion for advocating for individuals with Autism and other special needs.

Stephen Gerber, MSN, MSHS, APRN, NRP

Stephen is a past advanced practice provider EMS fellow for George Washington University's Department of Emergency Medicine where he is also a clinical assistant professor. He is an alumnus of EMeRG, GW's campus ambulance service. Since then, he has worked as a Firefighter Paramedic with DC Fire and EMS. While there he continued his education attending nursing school and later nurse practitioner school. He is currently working for the Arlington County Fire Department as a Nurse Practitioner.

Thomas Goode, MS, NREMT

Tom Goode is a data scientist at the RAND Corporation and a Professor of Policy Analysis at the Pardee RAND Graduate School. His research on public safety, homeland security, and national security policies supports sponsors in the Department of Defense, Department of Homeland Security, and the Intelligence Community. Beyond RAND, Tom is active in the field of prehospital emergency medicine and has received recognition both for academic contributions and for his literal fieldwork as a provider. He is the Director of Research Mentorship Program for the Journal of Collegiate EMS and has previously conducted research at the intersection of statistics, prehospital medicine, and emergency medical operations with the University of Pittsburgh and the City of Pittsburgh Bureau of EMS. Tom continues to work in EMS in the greater Pittsburgh area and volunteers with the regional wilderness search and rescue group. He is a proud Carnegie Mellon University Emergency Medical Service alumnus, where he served in a variety of leadership roles during his undergraduate and graduate studies.

Mohamed Hagahmed, MD

Dr. Hagahmed is a clinical faculty in the department of Emergency Medicine at the University of Pittsburgh Medical Center in Pittsburgh, PA. He is also a Paramedic and EMS Medical Director for Medical Rescue Team South and the Paramedic Response Team. He is originally from Sudan in East Africa and has settled in Pittsburgh after arriving in the US as a refugee. His interests include EMS education, resuscitation, Ultrasound and critical care.

Sarah Hargett, BS, NREMT-B

Sarah got started with EMS at Carnegie Mellon University. She was an active member of CMU EMS for four years, including as Training Officer. She is now a fourth-year Biomedical Engineering Ph.D. candidate at Texas A&M University where she researches hemostatic biomaterials for use in prehospital trauma care with an emphasis on noncompressible hemorrhage. She continues to be involved in collegiate EMS as a member of Texas A&M University EMS.

Gary Hecker, RN, CCRN, EMT-CC, CIC, NHDP-BC

Clinician, Educator, Leader. Gary brings over 38 years of EMS experience to the table. An alumni of Stony Brook Volunteer Ambulance (SBVAC) and Brooklyn College EMS, he is an original and lifetime member of NCEMSF. Gary has held paid and volunteer positions in the NYC 911 system. He is an ex-captain for EMS at the Baldwin Fire Department on Long Island, NY. Gary has been an EMS Educator for over 30 years and is a New York State Certified EMS Instructor. His 32-year career as a Registered Nurse includes clinical experience in Emergency and Critical Care. After 20 years in Hospital-based Nursing Education, Gary is now the injury prevention, Education, and Outreach Coordinator at a major Level 1 Trauma Center in NYC. In his not-so-spare time, Gary is also a member of a Federal Disaster Medical Assistance Team (DMAT).

John Hill

John Hill, MD is a board-certified emergency medicine physician and EMS Medical Director who practices in Northeast Ohio. Before becoming a physician, he worked in the IT field as a full stack web developer and virtualization expert. After a near-fatal motorcycle accident and his mother being diagnosed with cancer, he made a career change and earned his medical degree from Northeast Ohio Medical University. Dr. Hill went on to complete his emergency medicine training at Cleveland Clinic Akron General and has since worked at University Hospitals, serving as the EMS Medical Director and ED Trauma Liaison at a Level 3 Trauma Center as well as medical director for many other private companies. Dr. Hill is passionate about medical education, resuscitation, and prehospital care.

Tim Hite

Tim is a Life Member NCEMSF and has been involved in Emergency Services for over 25 years. He started his career with his local volunteer fire department and when he went to college, he joined the St. Bonaventure University Medical Emergency Response Team and the Allegany Volunteer Fire Department. Upon graduation from St. Bonaventure University, Tim was commissioned into the United States Army as a Medical Service Corp Officer. He deployed to Iraq for the initial movement into Baghdad during Operation Iraqi Freedom in 2003. In 2013, he was offered the opportunity to become a career Firefighter/EMT for the City of Olean and has been integral in the development of their PEER Support Team. He has also been a member of the Cattaraugus County Emergency Services Critical Incident Response Team since 2010. In 2023 Tim received his retirement from the Army and continues to be a supporter of Veterans through his work with the American Legion. Tim is currently a Firefighter/Paramedic with the City of Olean and an Assistant Fire Chief with the Allegany Volunteer Fire Department.

Lillian Hohag, BA, NREMT-B

Lillian was first involved with collegiate EMS with Fordham University, where she graduated with a Bachelor of Arts in Journalism & Bioethics in spring 2023. The following fall, Lillian started her Master's in Public Health in Population & Family Health and Injury & Violence Prevention at Columbia University, with an expected graduation in May 2025. Lillian was a Vomacka Student Speaker finalist in 2023 for her presentation on The Benefits of High-Pressure Training in Collegiate EMS. She was also awarded a Fordham EMS Lifetime Member Award in 2024. Lillian is originally from Minnesota and enjoys spending time with her cat, Pablo.

Jeffrey Huggins, BS, NRP, CEM

Jeffrey Huggins serves as the Chief of EMS Preparedness and Operations for the Maryland Institute for Emergency Medical Services Systems (MIEMSS), which is the state agency charged with regulating EMS in Maryland. Jeff graduated with a Bachelor's degree in Biological Sciences from the University of Maryland, Baltimore County. Jeff has served in emergency services since 2005, when he joined the Walkersville Volunteer Rescue Company. After becoming an EMT and firefighter, Jeff completed his paramedic education at Carroll Community College, and is a graduate of CONTOMS.

Jonathon Jenkins, MS, NRP

Jonathon has been involved in EMS since 2009 and has been a Pennsylvania and Nationally Registered Paramedic since 2015. Jonathon earned a Bachelor of Science in Emergency Medicine from the University of Pittsburgh in 2016 and a Master of Science in Emergency Medical Services from Creighton University in 2024. Jonathon currently serves as the Clinical Research Education Manager for the Linking Investigators in Trauma and Emergency Services (LITES) Network at the University of Pittsburgh School of Medicine, within the Department of Surgery. Prior to joining the LITES Network Team, Jonathon served as the Education and Training Administrator at Mutual Aid Ambulance Service and Program Director of the Mutual Aid-Excelsa Health Paramedic Training Program, in Westmoreland County, Pennsylvania. Jonathon works clinically as a Paramedic at Lower Burrell EMS in Westmoreland County, Pennsylvania, is an EMS Educator with FOAMfrat, and host of the Clinical Concepts Podcast. Jonathon's academic interests include prehospital blood product administration in hemorrhagic shock, prehospital management of cardiogenic shock, prehospital airway management, and the advancement and development of EMS educators in the realm of clinical quality improvement.

John Jermyn, MS, NREMT

John Jermyn was raised in New York City by a large family of police officers and firefighters dating back two generations. He witnessed their acts of bravery and knew at a young age he wanted to follow in their footsteps. John graduated from Kingsborough Community College in Brooklyn, NY and then attended the University at Albany, State University of New York where he studied public policy & economics and joined Five Quad Volunteer Ambulance, UAlbany's student run ambulance agency. In addition to

Conference Presenter Biographies

providing pre-hospital care as an EMT with Five Quad John served as Chairman of the Board of Directors and made significant accomplishments while serving in this position. During college John gained extensive exposure in the homeland security field completing internships in emergency management and homeland security in Albany, New York City, and Washington D.C. Upon graduating from UAlbany John advanced earning a master's degree in emergency management from the John Jay College of Criminal Justice and has been working on the New York City Pediatric Disaster Coalition team since 2016 amongst other professional roles.

Gabriel Kanter-Goodell, BA

Gabriel Kanter-Goodell recently graduated from Muhlenberg College, where he served two terms as Captain of Muhlenberg College EMS. He quickly rose through the ranks within his organization, gaining the skills and experience necessary to lead effectively. Gabriel has been involved in EMS for approximately five years, beginning during his gap year abroad and continuing upon his return to the United States. Throughout this time, he has worked in and around the DC area.

Delaney Kenyon, NREMT, WEMT

Delaney Kenyon (she/they) started in EMS with a SAR team. Senior year of high school, they took an EMT-B course and fell deeply in love. In college, she continued working with the student-run EMS corps on campus, CCEMS. Delaney knew that this was their path, and was elected to leadership and achieved additional certifications. Once COVID hit, they took the 20-21 year off to work full-time as an EMT-IV/EKG, Rope Rescue Technician, and Wildland Firefighter. In the Fall of 2021, Delaney returned to school, having been elected Director of CCEMS and starting as the Teaching Assistant for the EMT class. After the EMT-complicit and public deaths of George Floyd and Elijah McClain, Delaney began developing training for CCEMS that highlighted racial bias and practical things that CCEMS could do to change our care. She also implemented a pronoun policy that affects how CCEMS discusses and documents anatomy, biological sex, gender identity, and pronoun usage. She then brought a research idea to a professor, who worked with her to receive a grant to research EMS bias and develop curricula to be taught in the EMT class. She developed three primary units, tested their effectiveness with another research study, and adapted the curriculum to be taught as CE. Now graduated, Delaney has presented at EMS World, NAEMSP, and works at Colorado College as the Human Biology and Kinesiology Paraprofessional. Delaney is incredibly passionate about EMS and making it as inclusive as possible - everyone deserves to feel comfortable calling 911.

Joseph Kim, MBA, NREMT-P

Joseph (Joe) Kim NREMT-P is an instructor for NOLS Wilderness Medicine where he teaches a variety of wilderness medicine courses, ranging from the two-day introductory Wilderness First Aid course to the month-long Wilderness Emergency Medical Technician (WEMT) course. In addition to teaching, Joe has worked part-time as a paramedic in Washington state. Prior to joining NOLS Wilderness Medicine, Joe served for 17 years as an U.S. Army Infantry and Special Forces officer. While active duty, Joe taught economics and comparative politics at the U.S. Military Academy at West Point, NY. Joe holds a B.S. in mechanical engineering from West Point and an M.B.A. from Harvard Business School. Joe is a graduate of the Paramedic Education Program from Oregon Tech-Oregon Health and Science University.

Ryan Klimkewicz, EMT-B / BSN

Ryan Klimkewicz served as Chief of Service for Hobart and William Smith EMS from 2018 to 2020, during which he developed a passion for EMS leadership and teaching. During this time, he began attending NCEMSF and is extremely grateful for the lessons he learned through the organization. After graduating from college, he applied the insights he gained to his home fire department, where he served as an officer and was a member of the EMS committee. Ryan now resides in Denver, CO, where he works as an ICU nurse.

Katherine Koontz, BS, EMT-B

Katherine completed her EMT certification in the summer of 2020 and began volunteering with RIT Ambulance that fall. She soon started working full-time in a commercial EMS agency with a medium-high call volume, and has since become an FTO at both agencies. In May of 2023, she graduated from RIT with a Bachelor of Science in Biomedical Sciences and recognition as an Outstanding Undergraduate Scholar. After graduation, she completed a Post-Baccalaureate Research Education Program in the Vonder Haar lab at the Ohio State University. She is now back in Rochester with her new baby, and continues to volunteer with RITA while working EMS fulltime. In the future, Katherine aims to complete an MD/PhD and eventually operate as a Medical Director.

Dalton Kruppenbacher, BS

Dalton is a New York State and Nationally Registered basic EMT. Spanning his five-year EMS career, Dalton has worked in varying settings, including a collegiate campus (RIT) and a busy rural-suburban agency (Perinton Ambulance). His interests in EMS include care for the elderly, clinical quality improvement, ICS evolution, and emergency communications equipment. Dalton has held several leadership roles, including Equipment Director, which enabled him to oversee RIT's fleet of vehicles and equipment, in addition to making recommendations for improvement. Outside of EMS, Dalton serves as the IT Helpdesk Manager for a medium-sized public school district. He continues to promote educational excellence and quality improvement through data-driven recommendation processes.

Audrey Lam, BS, EMT-B

Audrey Lam recently graduated from the University of Southern California and earned a B.S. in Human Development in Aging from the Davis School of Gerontology. She is now an M2 at the Oakland University William Beaumont School of Medicine. She served as the Associate Director for the Emergency Medical Services of USC and contributed as a member for almost 4 years. Audrey is passionate about improving equitable care for older populations. Her EMS and gerontology background led her to contribute to geriatric quality improvement efforts in Cedars-Sinai's ED.

Benjamin Lawner, DO, MS, EMT-P, FACEP, FAMP

Dr. Benjamin Lawner is the medical director for the Maryland ExpressCare critical care transport program and the Baltimore City Fire Department. He is a practicing emergency and EMS physician. Dr. Lawner's interests include resuscitation, medical education, and airway management. He is a lifetime member of the NCEMSF and started the University of Florida's Basic life support Immediate Kare (BIKe) team while working as a paramedic for Alachua County Fire Rescue. In 2023, Ben was recognized as the EMS Physician of the Year by the Maryland Chapter of the American College of Emergency Physicians.

Harrison Leinweber, MS, NRP

Harrison is an active-duty Officer in the U.S. Army. During his free time, he works as a paramedic in the suburbs of Baltimore, MD and has served as a lieutenant with the Edgewood Volunteer Fire Department. His EMS career started in 2014 as an observer at RPI Ambulance. Since that time, he has held various leadership positions in volunteer, fire-based, and third-service EMS agencies to include Captain (Chief Medical Officer), Supervisor, and Field Training Officer. His EMS experience includes inner-city/urban, suburban, and rural settings, and he has worked as a line medic, performed command staff duties (triage, treatment, and transport officer), and commanded EMS operations at multiple mass gatherings and MCIs.

DJ Lesh, BFA, NREMT

Originally from Los Angeles, CA, DJ Lesh moved to Pittsburgh, PA to attend Carnegie Mellon University (CMU), where he obtained a Bachelor's of Fine Arts in Technical Direction. At CMU, DJ joined Carnegie Mellon University EMS as Freshman and served in various roles, including Supervisor and Chief prior to graduating in 2022. DJ currently works for Hughie's Event Production Services as a Project Manager, managing all aspects of Audio and Visual services for large scale events. Outside of work, DJ works as an EMT at multiple Allegheny County EMS agencies and serves as a Captain and the President of the Monroeville Volunteer Fire Company #1. DJ also is a member of Allegheny County's county wide Hazmat Response Team and the North Hills Technical Rescue Team. DJ holds multiple ProBoard certifications in Firefighting, Rope Rescue, Vehicle Rescue and Hazmat.

Stephen Lewis, MS, NRP

Paramedic Lewis is the current Faculty Advisor for Lehigh University EMS in Bethlehem, Pennsylvania. He brings more than 20 years of EMS experience at both the BLS and ALS practitioner level with personal roots in collegiate EMS. In addition, he works for a municipal 911 ALS service. Outside of EMS, Lewis is a full-time IT support professional and teaches college courses in computer networking and cybersecurity.

Blaise Loughman, MD, EMT-P

A Pittsburgh native, Blaise has served in many capacities in both collegiate and "real-world" EMS agencies over an eight-year career in EMS. He is a graduate of the University of Pittsburgh's Undergraduate Program in Emergency Medicine. Blaise joined Carnegie Mellon EMS in 2010, became Captain in 2013, and was appointed to a staff position overseeing the organization in 2016. From 2016 to 2019 he served as a Paramedic and Supervisor for EMS Southwest, a rural agency responsible for a large area south of Pittsburgh. He also instructed for the University of Pittsburgh EM Program, as well as the Center for Emergency Medicine of Western Pennsylvania. Blaise is now a resident physician in emergency medicine at Washington University in Saint Louis/Barnes Jewish Hospital.

Raymond Lovell, NREMT-P

Raymond Lovell became an EMT-Basic and joined the University of Rhode Island Emergency Medical Services in 2008. Raymond furthered his education by obtaining his RI EMT-Cardiac license in 2011 and became a Paramedic in 2019. He has extensive experience in campus, municipal, and private EMS and is currently serving as Vice Commander at URI-EMS and working as a Paramedic supervisor for the Town of South Kingstown, RI.

Daniel Maas, CEM, EMT-B

Dan Maas is the Director of the Cornell University Office of Emergency Management and serves as advisor of the Cornell University Emergency Medical Service, a student run, all volunteer BLS first response agency serving the Cornell campus in Ithaca, NY. Dan also works as Communications Branch Director with the New York Road Runners during major races such as the New York City Marathon. Dan has been involved in emergency services and response for over 40 years with extensive experience in EMS, fire, technical rescue, hazardous materials, and emergency management. Dan has been a volunteer firefighter-EMT for 36 years and is a member of the Central New York Medical Reserve Corps. Dan has been recognized as a Certified Emergency Manager by the International Association of Emergency Managers.

Brian Maloney, MS

Brian Maloney, Paramedic, MS, is the Director of Operations of Plum EMS, an agency located outside Pittsburgh, Pennsylvania. He is extremely proud to be part of this organization as they were awarded the NAEMT-ACEP Safety in EMS Award in 2023 for their outstanding contribution to the advancement of safety in EMS. Brian has worked in EMS for 25 years with some incredible people and organizations and is honored to share a personal experience that has truly changed his life and will hopefully helps others.

Cole Matthews

Cole Matthews is an EMS clinician, educator, and leader with a decade of experience in emergency medical services. He began his journey in 2015 as a volunteer ambulance driver in Vestal, New York, and soon earned his EMT certification through Broome Community College. Since then, Cole has worked in various capacities, including Field Training Officer, Clinical Educator, and Director of Operations in the Albany, New York, area. Currently, he serves as the EMS Lieutenant and Clinical Coordinator for the Texas Public Safety Training Academy, where he enjoys supporting the growth and development of EMS providers. Cole also

volunteers as a paramedic with Bastrop County First Responders, reflecting his continued dedication to serving others and advancing the EMS profession.

Steven McHugh, BS, NRP, I/C

Steven McHugh is a UMass Lowell EMS alumnus, graduating in 2022. He is currently a paramedic for Lawrence General Hospital Paramedics, which serves a population of around 150,000 people and operates out of two ALS units. The service is one of four expanded scope services in Massachusetts, allowing the use of medication-assisted intubation. Additionally, it is one of two services in the state that carries pre-hospital blood. Alongside his work, Steven is an instructor and coordinator for the Commonwealth, responsible for teaching EMT classes that comply with the National Registry of EMTs and Commonwealth of Massachusetts guidelines. He notably created the first-ever EMT program at UMass Lowell, enabling students to earn six college credits without having to leave campus. Steven dedicates much of his time to furthering his education and that of his colleagues, aiming to establish one of the best ambulance services in Massachusetts.

Connor McLaughlin, DO

Conor McLaughlin, DO is an emergency physician and EMS Fellow at Jefferson Einstein Hospital in Philadelphia, PA. He attended Muhlenberg College and was an active member in campus EMS before graduating in 2013. He subsequently earned his medical degree from the Philadelphia College of Osteopathic Medicine in 2020 before graduating an emergency medicine residency at the Lehigh Valley Health Network (LVHN) in Allentown, PA. Dr. McLaughlin stayed active in EMS during residency as a resident medical director of ALS agencies and LVHN MedEvac. After fellowship graduation this June, he will be returning to LVHN in the Division of EMS where he will be assuming medical directorship of Muhlenberg College EMS.

Jonathan McMahon, DO, MA

Jon graduated from Binghamton University with his Bachelor's Degree in Integrative Neuroscience and Master's Degree in Biological Science. He started in EMS his freshman year of college and later became Operations Director and medic for Harpur's Ferry Ambulance at Binghamton University, as well as a senior medic at Superior Ambulance Service in Binghamton, NY. Additionally, Jon was an EMT and firefighter at the North Babylon Volunteer Fire Company. After Binghamton University, Jon went on to medical school at NYIT College of Osteopathic Medicine on Long Island. Jon continued on to SUNY Downstate Health Sciences University in Brooklyn, NY, where he finished his residency in the combined Emergency Medicine and Internal Medicine residency program. Currently, Jon is a fellow at the UPMC EMS Fellowship in Pittsburgh, PA, where he provides care on the streets alongside Pittsburgh EMS, flies as a flight physician with STAT MedEvac, and provides online medical direction for the region's ambulance agencies and some domestic and international airlines.

Jacob Miller, ACNP, ENP-C, CNS, NRP, FAEN, FAEMS

Jacob Miller is a Nurse Practitioner, Clinical Nurse Specialist, and Paramedic with a background in flight, critical care transport, and emergency nursing in addition to nearly two decades of EMS practice. Dr. Miller received his acute care training at the University of Maryland, a graduate certificate in advanced transport nursing at Case Western Reserve University, and his Doctorate in Nursing Practice at the University of Cincinnati. During his post-graduate coursework at CWRU, he served as a crew chief, clinical supervisor, and quality and safety officer for Case Western Reserve University EMS. Dr. Miller currently works as the clinical educator for UC Health Air Care & Mobile Care in Cincinnati, Ohio.

Gino Mollica, MA, NRP

Originally from Uniontown, PA, Gino Mollica graduated from Carnegie Mellon University with a Bachelor's of Fine Arts in Vocal Performance. In 2021, Mollica graduated with a Master of Arts Administration specializing in nonprofit administration. While attending CMU, Gino served in various roles at CMU EMS including Supervisor and Chief. Following his graduation, Gino joined the American Heart Association where he is currently a National Senior Product Manager. In his AHA work, he is responsible for developing CPR, first aid, and emergency cardiovascular care training and learning programs across the country. Outside of work, is a paramedic/firefighter with the Monroeville Volunteer Fire Company #1, and works as a paramedic at Foxwall EMS, Eastern Area Prehospital Services, and UPMC Prehospital Care. Gino is also an adjunct instructor for prehospital programs at the local community college. Gino holds multiple ProBoard certifications in Hazmat and Rope Rescue.

John Moon, Assistant Chief (Ret)

John Moon is a former Freedom House emergency medical technician and retired Assistant Chief of Pittsburgh Emergency Medical Service. John was raised in Pittsburgh's Hill District and joined Freedom House, America's First Emergency Medical Service, in 1972. He continued to work in emergency medicine for more than five decades and now works to preserve Freedom House legacy and mentor the next generation of emergency and community responders in Pittsburgh.

Lily Nong, BS, NRP

Lily Nong is an alumna of the University of Pittsburgh, graduating with a Bachelor's of Science in Emergency Medicine, in addition to previously serving as Chief of Education and President of Student EMS at Pitt. They are currently a first year medical student at Penn State College of Medicine, previously working as a paramedic for 3 years in the Pittsburgh suburbs. In addition, Lily does research on occupational health, bystander CPR, and substance use. In their free time, Lily enjoys playing ultimate frisbee and rock climbing.

Jason Oberoi, MAOL, BSN, CEN, TCRN, CPEN, CFRN, NRP

Life Member at Virginia Tech Rescue Squad as a Paramedic. Currently works as an Emergency Room Nurse.

Clayton Ondrizek, EMT-P

With over 30 years experience in EMS and Public Safety as a provider, leader, and educator, Paramedic Clay Ondrizek is currently an Operations Supervisor with North Huntingdon EMS/Rescue in Westmoreland County, Pennsylvania. Clay is also a Prehospital Response Unit Paramedic for AHN, operating at bases throughout multiple counties in Southwestern Pennsylvania. Additionally, Clay is the Lead Tactical Medic for Westmoreland SWAT and the Pennsylvania Office of the Attorney General's Special Operations Group. A proud alumni of University Ambulance Service at Penn State University, Clay served as an EMT, Training Officer, Events Supervisor, and President of the Emergency Medical Services Association during his formative years there from 1998-2002. In addition to Tactical Emergency Medicine, Clay has extensive interest/training in Sports Medicine and Technical Rescue Medicine/Practices.

Ray Pace

Paramedic Ray Pace is an EMS instructor for University Hospitals. Ray started his career in 2005 as a Firefighter/EMT. He now works full-time at the Howland Township Fire Department as the Assistant Fire Chief and is a member of a local tactical EMS team. Ray served as the EMS Coordinator for UH Portage Medical Center, providing leadership and support to over 65 Fire/EMS agencies. He serves as the EMS liaison to the UH system pharmacy, is an active member of the protocol committee, and provides cardiac arrest management training to hospital employees as a member of the code blue committee. He enjoys teaching EMS continuing education and tactical emergency casualty care classes.

Mark Pinchalk, MS, EMT-P

Mark Pinchalk is the Assistant Chief of City of Pittsburgh EMS. In his position, he oversees clinical operations, quality improvement programs, special operations & training. He has been involved in EMS for over 30 years and has an extensive background in special operations, research and education. He serves as a Tactical Medic for Pittsburgh EMS/SWAT and as a Paramedic Master Diver for Pittsburgh River Rescue. In addition he is the Medical Team Manager for Pennsylvania Urban Search & Rescue Strike Team 1. Mark is also an adjunct instructor in the University of Pittsburgh Emergency Medicine Program.

Les Polk, MS, NRP, FACPE, CEMSO

Les Polk has worked in EMS for 20 years. He has served as an EMT, Paramedic, and leader in EMS organizations in NY, NJ, and PA. He has also served as a Regional Coordinator and a Director-At-Large of the NCEMSF and was a Council Member of the Pennsylvania Emergency Health Services Council. He currently serves as National Director of Clinical Excellence for DocGo and Ambulnz by DocGo. He has received an Associates in Applied Science Degree from Union County College in Plainfield, NJ and completed his paramedic education at the Freda and Robert N. Brown Paramedic Program with clinical sponsorship from RWJBH. He has received a Bachelor of Science degree in Natural Science with a concentration in Biology and a minor in Music from Muhlenberg College in Allentown, PA. He completed Graduate Coursework in Biomedical Sciences from the Philadelphia College of Osteopathic Medicine. He has received a Master of Science in Health Science Degree from the George Washington University in Washington, D.C. concentrating in EMS Leadership. He is a Six Sigma Black Belt and a Fellow of the American College of Paramedic Executives.

Benjamin Potts, BS

Ben is a recent graduate from the University of Pittsburgh's Emergency Medicine Program. He currently works as a full-time paramedic for McCandless-Franklin Park Ambulance Authority. Ben enjoys working in EMS because it gives him the opportunity to make a difference in someone's life every time he goes to work.

Keshav Reddy

Keshav is a Clinical Research Coordinator with the University of Pittsburgh Department of Emergency Medicine who is matriculating to medical school in the summer of 2025. Keshav works on various studies involving toxicology including overdose and withdrawals. He also works on other emergency medicine studies focused on concussions as well as other traumatic injuries. He previously conducted cardiology research at Rutgers Robert Wood Johnson Medical School. Keshav served as Chief of CMU EMS as an undergraduate student, and has worked in a variety of communities as an EMT as well.

Gabriela Rifkind, BS, EMT-P

Gabi got her start in EMS in 2019 as an EMT with RIT Ambulance. She recently finished paramedic school and currently works full time as a paramedic at a busy agency in Western New York. Gabi graduated from RIT's School of Individualized Studies in 2023. At RIT, she studied a mix of biomedical engineering, psychology, and medical sciences. Gabi continues to volunteer with RIT Ambulance in her spare time. Gabi is passionate about patient care and EMS education.

Jacob Robishaw-Denton, BS

Jacob Robishaw-Denton is a current second year medical student with the University of Arizona College of Medicine - Tucson and previously served as the Deputy Chief of Operations for the University of Arizona Emergency Medical Services.

David Rodgers, EdD, NRP

David Rodgers is the director of the Interprofessional Simulation Center on the Regional Academic Health Center campus of Indiana University, Bloomington. He is also an assistant professor of clinical medicine in the IU School of Medicine. Dr. Rodgers earned his doctorate in Curriculum and Instruction and a Master of Arts in Communication Studies from Marshall University. He earned a Bachelor of Science in Journalism from West Virginia University. Clinically, he is a national registered paramedic (NRP) with over 35 years' experience including time as a flight paramedic, EMS supervisor, and manager of a hospital-based critical care transport service. Dr. Rodgers' EMS activity continues in his role as Faculty Advisor for the Indiana University student-run Intra Collegiate EMS (IC-EMS) program.

Jay Rodriguez

Having been born into a family of Doctors, my love of and fascination for Medicine started as early as I can remember. While working on my first Bachelor's at UTSA, I determined that my love for medicine could best be utilized as a first responder. I then became the very first Paramedic in my entire family. I have been a practicing Paramedic for over 18 years the last ten of which have been as a critical care Paramedic. While completing a large independent study course on prehospital obstetrics for my second bachelor's degree, at UTHSCSA, I came to the startling realization that there was a significant number of obstetrical issues I could realistically to manage in the field but never received any training on in Paramedic school. This led to furthering my education, and training with Midwives, nurses, neonatologists, Obstetricians, and transport teams all over the state of Texas. I also became a proud birth and postpartum Doula, and childbirth educator. For the past 4 years I have been a midwifery student, attending over 50 births both in and out of the hospital. I have been married to my beautiful Wife Heather for 9 years. We live with Cricket our 9-year-old jet-black cat who we literally adopted on Friday the 13th! Calliope our rambunctious calico and Riley our hyper orange kitten. When we are not busy with work, school or study, My wife and I love to enjoy dinner and a movie or simply exploring the wonders of South Texas.

Ron Roth, MD

Dr. Roth is a Professor of Emergency Medicine in the Department of Emergency Medicine at the University of Pittsburgh. He serves as an attending physician in the the UPMC Communications Center. Dr. Roth is board certified in Emergency Medicine and the subspecialty of Emergency Medical Services. In addition to his clinical responsibilities, Dr. Roth serves as a clinical consultant for the City of Pittsburgh, Department of Public Safety and the Allegheny County Emergency Operations Center. He is the former Medical Director for the Dick's Sporting Goods / Pittsburgh Marathon, a team physician for the Pittsburgh Steelers, and University of Pittsburgh Football team. During his undergraduate studies at Penn State, he served as an EMT on the University Ambulance Service.

Ari Sanders, BS, AEMT-Paramedic, CCEMTP

Ari is a Critical Care/Flight Paramedic with over a decade of EMS experience. In addition to working as a Flight Paramedic for Mercy Flight of Western NY, he is also an active volunteer with RIT Ambulance and the Williamsville Fire Department, a Research Paramedic with UBMD Emergency Medicine, and an instructor for the SUNY Erie paramedic program. Ari is an alumnus of the Rochester Institute of Technology, and has continued to serve as an EMT and FTO with RIT Ambulance after graduation. Ari is a member of the Pediatric Emergency Care Applied Research Network CHaMP Node Buffalo Field Advisory Committee, which assists clinical researchers to organize and conduct prehospital pediatric research. His areas of special interest include cardiology, toxicology, pediatrics, and critical care.

Natalie Schwarzwald, BS

Natalie is a recent graduate from the University of Pittsburgh's Emergency Medicine Program. She currently serves as a paramedic at SouthBridge EMS in Allegheny and Washington County. She also teaches at the Center for Emergency Medicine. Natalie is passionate about continuing education for providers and strives for an improved standard of care every day.

Garret Shields, BS, NRP, FP-C, VA-EC

Garret Shields, BS, NRP, FP-C, VA-EC, is a proud graduate of the UCLA Paramedic Program, having completed it in 2011. He has provided services in multiple states across the country, spending the last 11 years with Fairfax County Fire & Rescue. As a field provider with Fairfax County, he developed a passion for teaching students as a field training officer and EMS instructor. He co-created the FCFRD EMT Certification program, which achieved a 100% first-time pass rate on the NREMT exam during his tenure. Garret also works part-time in the Emergency Department at Children's National Medical Center in Washington, D.C. He holds a Bachelor of Science in Health Science from Purdue University Global.

J. Dominic Singh, BA, NRP, I/C

Dominic has been engaged in EMS for nearly 3 decades and is the current staff advisor to UMass Amherst EMS. He is a former Chief of Operations for Spencer EMS, recently retired from a 26-year fire service career, former Executive Director of Western Massachusetts EMS, and still serves in the field as paramedic. Prior to these positions he worked in private, municipal, and non-profit settings in both rural and urban environments. His career started as a collegiate EMT with the College of the Holy Cross. He continues to be active in EMS event management, training, and field response with a focus on mentorship and provider development.

Nicolas Spray, EMT-P

Nicolas Spray has been a Firefighter and Paramedic on a 911 ambulance for 13.5 years at Richardson Fire Department. He has been an EMT and Paramedic instructor at University Emergency Medical Response at the University of Texas at Dallas for over two years and became the Operations Manager in August 2024. Previously, he worked for five years as an advanced care tech in a level 1 trauma center and three years as a tech at a pediatric urgent care facility.

Simon Taxel, MPH, NRP

Taxel has more than 20 years of experience EMS, has been a paramedic since 2008, and is a crew chief and public safety diver with the Pittsburgh Bureau of EMS, a helicopter rescue technician on Pa HART, and medical specialist on Pa USAR Strike Team 1. Taxel is also a Bloomberg Fellow and earned his Master of Public Health from Johns Hopkins University with a focus on addiction and overdose.

Adam Tobias, MD, MPH, FACEP

Dr. Tobias is an Associate Professor of Emergency Medicine at the University of Pittsburgh School of Medicine. He is board-certified in Emergency Medicine and in Emergency Medical Services. He has over a decade of experience in providing medical consultation

Conference Presenter Biographies

services to commercial airlines during inflight medical emergencies. He is also active in various EMS activities in western Pennsylvania and in EMS education.

Todd Tracey, BS, EMT

Todd Tracey is a dedicated emergency management professional currently serving as the Emergency Preparedness & Operations Coordinator at the Maryland Institute of Emergency Medical Services Systems (MIEMSS). In this role, he focuses on the preparedness, operational readiness, and resilience of the Maryland Emergency Medical Services System. With a strong foundation in both emergency response and administrative leadership, Todd brings a unique perspective to the field. Prior to joining MIEMSS, Todd served as a Senior Preparedness Specialist at the Maryland Department of Emergency Management for over six years. In this role he oversaw the State Special Event Program overseeing the consequence management planning for several Presidential Inaugurations, the Gubernatorial Inauguration of Governor Wes Moore, the 2022 Maryland Fleet Week & Fly Over Baltimore, and several other significant events in Maryland. Before becoming an emergency manager, Todd served as a volunteer firefighter and EMT for over a decade, honing their skills in crisis management and teamwork. During this time, they held leadership positions within the volunteer fire service, gaining invaluable experience in strategic planning, resource allocation, and community engagement. Todd holds an Associates of Applied Science in Emergency Management from the Frederick Community College and Bachelors of Science in Public Safety Administration from the University of Maryland, Global Campus. They are also a member of the prestigious National Emergency Management Advanced Academy FY-25 cohort, demonstrating a continued commitment to professional growth and excellence.

Becky Valentine

Drawing from over 32 years of EMS service and education, and life-long learner, Becky's sessions are geared toward excellence and diversity in EMS education through current standards and critical thinking.

Nicholas Valentini, MD

Nicholas Valentini, MD, is a current EMS Fellow and attending emergency medicine physician at Brown University Health in Rhode Island. He previously completed his emergency medicine residency at Michigan Medicine, where he served as the assistant medical director for the University of Michigan EMS. Before that, he attended both college and medical school at Dartmouth, where he held the position of Director of Dartmouth College EMS. Dr. Valentini has extensive experience in critical care transport, EMS operations, pre-hospital cardiac arrest care, and college EMS.

Zoe Warczak, MD, MEd, FAAP, NREMT

Dr. Zoe Warczak is a Chief Fellow in the Public Health/Preventive Medicine Fellowship at UMass Chan Medical School and Chair of the Massachusetts Medical Society Committee on Violence Intervention & Prevention. She is a graduate of the HEAL Trafficking Train the Trainer Academy and a co-author of the 2nd edition of the Massachusetts Medical Society/Massachusetts General Hospital Human Trafficking Guidebook. She is also a board-certified pediatrician who provides care to infants, children, adolescents, and young adults, as well as a certified rape crisis counselor in Massachusetts providing support and advocacy to survivors of sexual violence in Hampshire County.

Scott Wildenheim

Scott Wildenheim, Paramedic, is an EMS service administrator in the Greater Cleveland area. Active in EMS since the mid 1990's, he is involved in many facets of EMS delivery in the region. In addition to his administrative duties, he also teaches advanced primary EMS education and CE, is the editor of EMS protocols for the region, and is an embedded paramedic with a bomb squad. Scott strives to deliver EMS education in a relatable, laid back, and easy to understand way.

Joseph Wilson, BS, NRP, HMT

Joseph Wilson has been a firefighter/paramedic for the past two years in a midsize community. Before this, he worked as an EMT in a high-volume system that handles approximately 20,000 medical calls annually. Recently, he discovered a passion for hazardous materials, which is particularly relevant given his community's extensive planning for HAZMAT operations due to its proximity to a major interstate and hazardous material railways. Joseph has participated in large-scale exercises and planning efforts related to these modes of transportation. He obtained his Hazardous Materials Technician (HMT) certification and is currently pursuing a master's degree in Emergency Management and Homeland Security. Preparedness and awareness are also passions of his, and he has served as a preceptor, with a significant focus on HAZMAT preparedness throughout his education.

Vomacka Student Speaker Biographies

Daniel Baker, AS, NRP, CP-C

Daniel is a Florida native, born in Tampa and raised in a small town in the south. Daniel moved to Colorado in March of 2023 to join the amazing team at Ute Pass Regional Health Service District in Woodland Park, CO. Daniel began his career as a 911 dispatcher with the Highlands County Sheriff's Office while simultaneously serving as a volunteer FF/EMT with West Sebring Fire Rescue. He later moved on to become a full-time member of Highlands County Fire Rescue serving as a firefighter, EMT, and HAZMAT Technician. Daniel attended Polk State College Paramedic School in Winter Haven, FL where he graduated as class Valedictorian and with an Associates of Science in EMS. After graduating paramedic school he became a certified HAZMAT paramedic. Daniel then began his career at Hendry County Public Safety where he developed their Point-Of-Care Ultrasound (POCUS) Program with his paramedic cohort John Knesek. Hendry County Public Safety became one of only 3 departments in the State of Florida to utilize POCUS and the only department to utilize it in its full capacity. Daniel made the leap to Colorado to join the 2023 State of Colorado Ambulance Service of the Year at Ute Pass Regional Health Service District. In Colorado, he is a pre-med student attending the University of Colorado - Colorado Springs. Daniel is very compassionate about advancing the EMS profession as a whole and improving the care provided to patients in the prehospital setting.

Nina Buzzotta

Nina Buzzotta is a 2nd year undergraduate at UW Seattle, originally from St. Louis, Missouri. She obtained her EMT license in 2023 and has worked as a First Aid Responder for college sporting events, as well as teaching CPR classes in the community. Apart from her work in EMS, she is involved with narrative medicine as a patient interviewer and writer for Portraits of Humanity. Additionally, she creates and distributes educational materials on homelessness and healthcare in Seattle with the University District Street Medicine organization.

Ellika Greaves

Ellika Greaves is a student researcher and Emergency Medical Responder (EMR) for McMaster University in Hamilton, Canada. Ellika's interest in healthcare is displayed through her current positions in student clinical therapy, emergency medical response, and clinical research. Ellika is in Level 4 of undergraduate studies in Biology and Pharmacology at McMaster, where her academic prowess and curiosity have earned her recognition among peers and faculty. As an EMR, Ellika serves on the front lines of healthcare, providing pre-hospital care for McMaster University's student population of over 30,000 undergraduates. Her ability to remain calm under pressure and make swift, informed decisions has made her an invaluable asset to McMaster's campus, but also Canada's Odyssey Event Medical Team. Ellika's dedication to her EMR duties extends beyond the call of duty, as she actively engages in community outreach programs to promote health and safety awareness. Last year, Ellika proposed an initiative to improve trauma-informed care practices at McMaster, presenting her poster at NCEMSF in February 2024. Parallel to her hands-on experience in emergency response, Ellika has also delved into the world of research. Recognizing the potential to bridge the gap between medicine and academic exploration, Ellika works in clinical research for McMaster's Department of Kinesiology, working to measure muscle atrophy in older adults. Outside of this, Ellika actively engages in volunteerism within her community, and was awarded the McMaster Merit Scholarship Award in April 2024.

Joon Han Kim

JoonHan is an AEMT currently serving with Emory EMS. Within the Emory EMS organization, he serves as the Manager of the Initial Education Program. In this role, he works with the instructor to support 12 teaching assistants and 31 students by managing the operations of Emory EMS's in-house AEMT credentialing program. He is also an AHA-certified BLS CPR instructor with Emory EMS, certifying fellow Emory EMS clinicians, members of partner agencies (such as Emory Police and Emory Maintenance), and members of the public. In the field, Joon serves as a Field Training Officer with Emory EMS, teaching newly certified clinicians operational procedures and preparing them to be competent clinicians who provide high-quality care to the Emory community. He has extensive experience in various leadership roles and is passionate about organizational development through education.

Isabella Luca

Izzy Luca is a third year undergraduate at the Massachusetts Institute of Technology, where she is an active member of MIT EMS and director of the campus CPR education program. This seminar is the result of her final project for The Health of Transgender and Gender Diverse People, a class at Harvard T.H. Chan School of Public Health in Boston, MA. She'd like to thank her instructors, Dr. Sabra Katz-Wise and Ivan Hsiao, for their feedback and guidance on this project.

Laura Mangov

Laura Mangov is a second-year pre-med student pursuing a degree in physiology at the University of Washington in Seattle. After graduating from high school, she chose to take an enriching gap year during which she worked full-time as an EMT for American Medical Response in Seattle while also attending medical assisting school. Currently, she works part-time with AMR and part-time as a Certified Medical Assistant (CMA) for Allegro Pediatrics, where she performs blood draws, administers vaccines, and assists with various clinical tasks as needed by the providers.

Aqsa Owais

Aqsa Owais is an undergraduate student studying Biomedical Engineering at the University of Pittsburgh. She is part of the guaranteed admit program for the University of Pittsburgh Medical School and plans to matriculate in 2026. Since April 2022, she has been a certified EMT and actively participates with the Edison EMS squad. Additionally, Aqsa serves as the business manager for the Student Emergency Medical Services at Pitt and is a CPR instructor for the Center of Emergency Medicine at the university.

NCEMSF Staff Biographies

David Afienko, DO

David Afienko, NCEMSF Massachusetts Regional Coordinator, began his collegiate EMS career with Massachusetts Maritime Academy's EMS organization. In 2012, David co-founded MMA EMS and granted the role of Chief. David carries prior experience as an EMS field supervisor, part-time faculty at Northeastern University, and as an ER technician at Tufts Medical Center. David graduated from MMA in 2013 with a degree in emergency management. He is a 2020 graduate of Touro College of Osteopathic Medicine in New York and completed his emergency medicine residency at Albany Medical Center in 2023. David currently resides in Delmar, NY where he is the associate medical director of Delmar-Bethlehem EMS and works as an emergency physician in multiple ERs in upstate New York.

Jeffrey J. Bilyk, ACP(f)

Jeffrey Bilyk, NCEMSF EMS Week Coordinator, is the founder and former Director of the University of Windsor Emergency Response Team. He previously served on the NCEMSF Board as Canada Regional Coordinator. He worked as an EMT in Michigan and after a hiatus doing work in emergency management returned to EMS in Ontario. Jeff has worked in both land and air environments in Alberta and Ontario where he currently serves as an Advanced Care Paramedic and Acting Supervisor with his Paramedic Service. He also works in the quality assurance department of his Regional Base Hospital Program providing QA and education to nine local Paramedic Services as well as an Inspector for the Ontario Ministry of Health Emergency Health Services responsible for certification of Paramedic Services province-wide. In addition to his EMS work, Jeff owns a successful health and safety consulting company. He has always been a strong advocate for campus based EMS in Canada and endeavors to continue to grow the number of Canadian campuses with CBEMS teams.

Jack Childs

Jack Childs, the NCEMSF Mid-Atlantic Assistant Regional Coordinator, has been involved in EMS since he was 15, starting as a volunteer EMT with the Greenwich EMS Explorer Post and earning his EMT certification. Throughout high school, he continued to volunteer and eventually became the Explorer Post President, where he shared his passion for EMS with fellow students. During his undergraduate studies at Georgetown University, Jack served as a crew chief and driver for GERMS, holding positions as Director of Safety, Treasurer, and ultimately Captain. As the captain, Jack served as the operational director of the agency and oversaw operational and administrative transitions for GERMS following the COVID-19 pandemic. In his senior year, Jack interned in the Office of the Medical Director at DC Fire and EMS, focusing on quality improvement projects, particularly around controlled medication usage. He then worked full-time as a quality improvement analyst at DC Fire and EMS during his gap year, coordinating initiatives to enhance the quality of care for the District's residents and visitors. Currently, Jack remains active as a per-diem EMT, serves as an advisor for the Explorer Post, and instructs EMT classes at Greenwich EMS. He is now a medical student at George Washington University School of Medicine.

Sophia Dhrolia, BS, NRP

Sophia Dhrolia, the NCEMSF Southeast Assistant Regional Coordinator, started in EMS at the Milltown Rescue Squad in 2019 before joining the founding group of UNC EMS at UNC-Chapel Hill where she graduated in 2024 with her B.S. in Biology and B.A. in Music. While serving as Assistant Chief and Chief, UNC EMS achieved the NCEMSF Striving for Excellence and HeartSafe accolades. After graduation, Sophie continued working as a paramedic in Chatham County, North Carolina and as an elementary school music teacher.

Jack Dunn

Jack Dunn, the NCEMSF New England Assistant Regional Coordinator, became involved in EMS at 15 when he joined his local volunteer fire department in Old Saybrook, CT. He obtained his EMT certification at 16 and began working and volunteering with 911 services in and around his hometown. Jack attended Georgetown University where he joined Georgetown EMS (GERMS), eventually becoming a Crew Chief and the Vice President of Operations. Jack graduated from Georgetown in 2023 with a B.A. in government and history. Jack currently attends law school at Boston University School of Law where he is concentrating in healthcare compliance and corporate health law. Outside of law school, Jack works part-time as a firefighter and EMT in Sherborn, Massachusetts, and continues to volunteer as a firefighter and EMT in his hometown.

Ian Feldman, FF/LP

Ian Feldman, NCEMSF Webmaster, started his EMS career at Rice University in 2006. He served as an EMS Supervisor and officer during his time at Rice. After graduating in 2009 with a degree in mathematics, he remained active with Rice EMS assisting with administrative tasks and later becoming an EMS Instructor. Outside of collegiate EMS, he works as a Staff Analyst with the City of Houston, where he serves as assistant program manager for a DHS-supported initiative to assist law enforcement agencies in the Houston region with the detection and interdiction of radiological and nuclear materials. He also works as an In-Charge Paramedic and dispatcher at Harris County Emergency Corps, he volunteers with the Northwest Volunteer Fire Department, and is an AHA instructor with the Baylor College of Medicine. He received a Master of Science in Threat and Response Management from the University of Chicago in 2011 and holds a Certified Emergency Manager® designation from the International Association of Emergency Managers. He served as NCEMSF's Central Regional Coordinator from 2012 to 2017.

Gabe Gan, MPH, NRP

Gabe Gan, NCEMSF Mid-Atlantic Regional Coordinator, first became involved in EMS as a high school student in the Maryland suburbs of Washington, D.C. He attended Emory University in Atlanta, GA, where he majored in human health and held various leadership positions as a member of Emory EMS. Gabe received his Master of Public Health degree from Columbia University's Mailman School of Public Health in 2018, and spent over three years as a healthcare consultant for payers and providers with the PricewaterhouseCoopers Health Industries Advisory practice. He now works for the Office of the Medical Director at the District of

Columbia Fire and EMS Department, where he serves as the department's lead EMS quality improvement analyst and also assists in the structuring and implementation of novel clinical programs and research projects. He previously served as Southeast Regional Coordinator.

Zachary Gant, NRP, CCEMT-P

Zachary Gant, NCEMSF Assistant Startup Coordinator, became a volunteer firefighter while in high school. He attended Western Carolina University and completed his Bachelor of Science degree in Emergency Medical Care with a concentration in EMS management. While at WCU, Zachary was active in WCU EMS, holding numerous leadership positions, including EMS Chief. After graduation, Zachary joined Orange County Emergency Services where he continues to work full-time as a paramedic. Additional involvement in EMS has included volunteering and leadership with South Orange Rescue Squad, teaching EMS courses at the high school and collegiate level, and most recently completing his critical care certification.

Catherine Gibbs, BSN, RN, PHRN

Catherine Gibbs, NCEMSF Pennsylvania Regional Coordinator, is a Cardiac ICU Nurse at The Children's Hospital of Philadelphia. Catherine studied Neuroscience at Temple University where she served as the Director of Operations for the on-campus EMS organization, TUEMS. Catherine continued her education at Thomas Jefferson University where she pursued her nursing degree. Catherine is a prehospital RN (PHRN) and an EMS instructor who is passionate about community engagement and education. Catherine is currently working with a university in Philadelphia to develop a university based EMT education program. She previously served as Northeast Regional Coordinator.

Joshua E. Glick, MD, FACEP

Josh Glick, NCEMSF Alumni Coordinator, is an attending physician in the Department of Emergency Medicine at the Hospital of the University of Pennsylvania and an Assistant Professor of Emergency Medicine at the Perelman School of Medicine at the University of Pennsylvania. He completed his residency training in Emergency Medicine at the University of Pennsylvania in 2018, received his MD from the Penn State College of Medicine in 2014, and his BA in Biological Basis of Behavior and Modern Middle Eastern Studies from the University of Pennsylvania in 2010. While at Penn, Josh began his involvement with EMS as a member of the Penn Medical Emergency Response Team, ultimately serving as the organization's Training Lieutenant and Chief, and currently has come full circle and serves as the organization's Medical Director and Faculty Advisor.

Joseph Gocke

Joseph Gocke, NCEMSF West Assistant Regional Coordinator, grew up in a family of first responders serving Orange, Los Angeles, Santa Barbara, and Ventura Counties. Joseph began his EMS career as an Ocean Lifeguard for Port San Luis Harbor District in San Luis Obispo, California. While attending UCLA, he worked for UCLA EMS for approximately two and a half years, and spent a majority of his time as a Field Training Officer (FTO) before graduating in 2023. Currently, Joseph is an Ocean Lifeguard for the Los Angeles County Fire Department where he works operations mostly in Venice, but will be on special assignment in the Training Division from September to June.

Joseph M. Grover, MD, FACEP, FAEMS

Joseph Grover, NCEMSF Startup Coordinator, is a Clinical Associate Professor at the University of North Carolina Department of Emergency Medicine, EMS Fellowship Program Director, and Chief Medical Officer of Orange County (NC) Emergency Services. He completed his emergency medicine residency at the University of Virginia in 2014, and an EMS fellowship at the University of North Carolina in 2016. He earned his Bachelor's degree and MD from Case Western Reserve University (CWRU) where he co-founded Case Western Reserve University EMS as an undergraduate. Starting in high school, he served as a volunteer with the Kensington Volunteer Fire Department (KVFD), where he attained life membership. Prior to his current position as startup coordinator, he served for 8 years as the Midwest RC with NCEMSF.

Laura Hanson, DO

Laura Hanson became involved in collegiate EMS as Founding Chief of Operations of the University of Arizona EMS from 2011- 2012. She received a BS in Physiology in 2012 and an MA in Biomedical Sciences in 2015. Laura worked as an EMT for Rural/Metro Southwest Ambulance from 2012-2017 and volunteered part-time as a reserve for the Arizona Department of Public Safety Air Rescue helicopter for many years. She completed medical school at the Arizona College of Osteopathic Medicine in 2020, emergency medicine residency at Magnolia Regional Health Center in Mississippi in 2023, and EMS fellowship at The University of North Carolina in 2024. She currently works as an emergency medicine physician and EMS medical director at Yale University.

Ryan M. Hay, MSN, PHRN

Ryan Hay, NCEMSF Division Chair, is a Board-Certified Emergency Nurse and Emergency Manager, serving as the Administrator of Emergency Operations and Public Safety at Lehigh Valley Health Network in eastern Pennsylvania. Ryan holds a Master of Science in Nursing with a concentration in Population Health and Emergency Management from Jacksonville State University in Alabama. Ryan holds both a BS in Nursing and a BA in Political Science from DeSales University. While at DeSales, Ryan cofounded DeSales EMS, serving as the director for three years. He is currently the Chairman of the Northeast Pennsylvania Healthcare Coalition. Additionally, he serves as an Assistant Chief on the Lehigh County (PA) Special Operations US&R and Hazardous Materials Response Team.

George J. Koenig, Jr., DO

George Koenig, NCEMSF President, is an Associate Professor of Surgery in the Division of Acute Care Surgery: Trauma, Surgical Critical Care and Emergency General Surgery of Sidney Kimmel Medical College at Thomas Jefferson University. He is the Associate

Medical Director of JeffSTAT and the Trauma Program Medical Director at TJUH as well as the Medical Co-Director of the Center for Operational Resource Efficiency (CORE) and the Transfer Center. He completed a surgical critical care fellowship at The Johns Hopkins Hospital in 2010. Prior to that, he did his general surgery residency training at the Mercy Catholic Medical Center in Philadelphia. He earned his Doctor of Osteopathy from The Philadelphia College of Osteopathic Medicine (PCOM) in 2003. He also holds a Masters degree in Biomedical Science from PCOM. In 1996, he graduated from Bucknell University with a degree in Biology and Chemistry. While attending college, he was active with Bucknell's quick response group. He served as President of the Bucknell Emergency Response Team from 1994 to 1996. Dedicated to the advancement of collegiate EMS, he became involved with NCEMSF in 1993 at the first annual conference held at Georgetown University. He served as Vice-Chairman of the Constitutional Committee and Temporary Governing Board from 1995 to 1996. He has served as President since 1996.

Kris Kurtz

Kris Kurtz, NCEMSF North Central Regional Coordinator, began his collegiate EMS career with the St. Olaf EMT Service in 2020. While at St. Olaf, he served as the Vice President and President for the organization. After graduating in 2023 with a bachelor's degree in chemistry, he moved to Albuquerque, New Mexico and works at Albuquerque Ambulance Service as an AEMT. In addition, Kris has been a national ski patroller in Bloomington, MN and Sandia Park, NM. Kris uses his free time enjoying the New Mexico landscape and officiating high school athletics.

Stephen J. Lanieri

Stephen Lanieri graduated from Daniel Webster College in 2008 with a BS in Aviation Management. As a freshman, he founded a student-run and state-licensed campus EMS service where he was Chief for all 4 years. Steve began in EMS at 16 as a cadet on the Branchburg Rescue Squad in NJ and became an EMT at 17. He has become certified in Swiftwater Rescue, Vehicle Extrication, and Airplane/Helicopter Rescue, and served as a Lieutenant of the rescue squad. Steve started his full-time career as a Communication Specialist/EMT with Boston MedFlight. He has also worked at some of the busiest airports throughout the Northeast US, managing airport operations, security, and emergency response/preparedness, which he continues doing at his current role at a major NYC-area international airport. Steve has been a national ski patroller at Pats Peak Ski Area in Henniker, NH and is an annual medical tent deputy leader at the Boston Marathon. He continues to volunteer as an EMT and firefighter on local departments, and a member of his county EMS Bureau. Steve previously served as NCEMSF's National Coordinator and Northern New England Regional Coordinator.

Yoni Litwok, MD

Yoni Litwok, NCEMSF Treasurer, graduated from Brandeis University in 2007 with a degree in Economics. Prior to graduation, he was Clinical Supervisor and Director of Operations of the Brandeis Emergency Medical Corps. After graduating he worked for an investment firm before deciding to pursue a career in medicine. Yoni completed his post-baccalaureate studies at Rutgers University and then graduated from Rutgers New Jersey Medical School. Yoni completed an Internal Medicine residency and Cardiology Fellowship at Northwell Health. He served as both Chief Resident of Internal Medicine and Chief Fellow of Cardiology during his tenure. He subsequently completed a Critical Care Fellowship at Mount Sinai Hospital and is currently Director of the Cardiac ICU at Valley Hospital in New Jersey. He has served NCEMSF as a Regional Coordinator and Director-at-Large for nearly two decades.

Emily Locke, BS

Emily Locke, NCEMSF New York Assistant Regional Coordinator, previously served as the Chief of Clarkson University EMS from 2021-2023 and the Assistant Chief of Clarkson University from 2020-2021. She is currently a graduate student at Yale University pursuing joint degrees of a Master of Public Health and a Master of Nursing. At Yale, Emily is involved with Yale EMS as a Field Training Officer. Emily is interested in studying the intersections of rural health, EMS, and maternal health and maintains her NREMT and EMT-B in New York and Connecticut.

Joshua A. Marks, MD, FACS, FCCM

Joshua Marks, NCEMSF Secretary, is an Associate Professor of Surgery in the Division of Acute Care Surgery: Trauma, Surgical Critical Care and Emergency General Surgery of Sidney Kimmel Medical College at Thomas Jefferson University. He is the Program Director for the Surgical Critical Care Fellowship and Associate Program Director for the General Surgery Residency as well as the Surgical ICU Medical Director at Jefferson. He is Board Certified in surgery and surgical critical care and is a Fellow of the American College of Surgeons (FACS) and the American College of Critical Care Medicine (FCCM). He completed his fellowship in trauma and surgical critical care at the Hospital of the University of Pennsylvania and his general surgery residency at Thomas Jefferson University Hospital. He received his Doctor of Medicine degree from Jefferson Medical College (now SKMC) in June 2007, and his BA in Economics in May 2003 from Columbia University. He has been involved with EMS since 1998, as a member of Narberth Ambulance and served on Narberth's Board of Directors for twelve years. While at Columbia, Josh served as the Chief Medical Officer and Executive Director of Columbia University EMS. Josh became involved with NCEMSF in 2000. He served for three years as the Foundation's first National Coordinator from 2001 to 2004 before being elected to the Executive Board. Josh is the 2003 NCEMSF Collegiate Provider of the Year and recipient of the American College Health Association's Lewis Barbato Award.

Zachary Matuzsan, DO

Zach Matuzsan, NCEMSF Education Coordinator, began his EMS career in 2007 as a volunteer EMT with the East Windsor Rescue Squad in New Jersey. He joined the Hopkins Emergency Response Organization in 2008 as a freshman and later served as the Equipment Lieutenant and Operations Lieutenant. He graduated with a degree in Public Health Studies in 2012 and subsequently earned his Doctor of Osteopathic Medicine (DO) in May of 2016 from Rowan University's School of Osteopathic Medicine in New Jersey. Zach completed an emergency medicine residency at Lehigh Valley Health Network in June 2020 before finishing an EMS fellowship at Cooper University Hospital in June 2021. He is currently an attending physician at the Lehigh Valley Health Network in Allentown, PA and is a core faculty member for the emergency medicine residency program. Zach serves as an Associate Medical Director for

Lehigh's aeromedical MedEvac program and is medical director for Northampton Regional EMS. He is board certified in Emergency Medicine and EMS/Pre-Hospital Medicine.

Timothy J. McMichael, NRP

Tim McMichael, NCEMSF Information Technologist, is a 2001 graduate of Juniata College with a BS in Information Technology and Systems. He is employed by Microsoft Corporation as a Support Escalation Engineer working on the Exchange Server product. He became an EMT in 1999.

Nicholas Melchiorre

Nick Melchiorre, the NCEMSF Pennsylvania Assistant Regional Coordinator, is the School Safety Coordinator for the Chester County Department of Emergency Services. His responsibilities include acting as the central point of information for all school sectors in response to safety and compliance issues, emergency planning, safety assessments, and daily emergencies. He assists in the development, review, and coordination of safety plans for both regulatory compliance and ability to meet real world needs. Nick is also the chairman of the Southeastern Pennsylvania Regional Task Force's School workgroup. Prior to joining the Emergency Management Division, Nick was an Operations Communications Specialist within the 911 Division. The Operations Communications Specialist collects, coordinates, and prioritizes time-sensitive data to provide effective situational awareness and timely, accurate notification of emergency and non-emergency threats and events that impact the citizens, visitors, and employees of Chester County. Nick is an active responder in the county with various Fire and EMS agencies. Nick studied Health Behavior Science at the University of Delaware where he served many roles at University of Delaware Emergency Care Unit (UDECU) including Operations Coordinator. He is still an active alumni member.

Joseph Mendes, BS, AEMT

Joseph Mendes, Massachusetts Assistant Regional Coordinator, started in EMS in 2021 working at UMass Lowell EMS serving as a Preceptor, Field Supervisor and the program Assistant Manager. During his time with UMass Lowell EMS he served as the Special Operations Coordinator and Supply Coordinator. He graduated from UMass Lowell in 2024 with my Bachelors of Science in Biology. His long term goal is to attend medical school. He obtained his AEMT in 2023 and has since been working in Mobile Integrated Health at South Shore Health. During his free time he enjoys biking, hiking, and rock climbing.

Eric Pohl, MS, NRP

Eric Pohl, NCEMSF Emergency Management Coordinator, is a Federal On-Scene Coordinator for the United States Environmental Protection Agency, Region 5 Emergency Response Branch and located in Cleveland, Ohio. Professionally, Eric responds to spills and releases of hazardous substances or petroleum, and works to protect human health and the environment. He is a Paramedic and Clinical Preceptor for the City of Hudson, OH Emergency Medical Services. Previously, he was a Supervisory Hazardous Materials Specialist for the Bureau of Police and Security of the New York City Department of Environmental Protection. In 2007, Eric earned a Bachelor of Science degree in Chemical Engineering from Columbia University where he also served as a Crew Chief with the campus ambulance service. Eric obtained his paramedic certification from St. Vincent's Hospital - Manhattan in 2008 and has provided 911 services in OH, NY and NJ. Eric earned a Master of Science degree in Environmental Management from the University of Maryland Global Campus in 2021. Eric's professional interests include CBRN Consequence Management; crisis and disaster response; environmental sustainability; and responder mental health. He is a member of EPA's National Critical Incident Stress Management team, and also serves on the Summit County, OH ASSIST77 CISM team. He is the former NCEMSF NY Regional Coordinator.

Lucas Rappert, DO, MS, MA

Lucas Rappert, the NCEMSF National Coordinator, became involved in collegiate EMS with the University of Wisconsin Madison Police Department First Responders. He served as Crew Chief, Quality Assurance Officer, and Deputy Service Director. After graduating with a bachelor's degree in neurobiology, he continued volunteering with the UWPDFR until he joined Deer Grove EMS, just outside Madison. In addition to EMS, Lucas has experience as a 911 dispatcher, medicolegal investigator, tissue/organ procurement coordinator, and emergency technician. Currently, Lucas is an emergency medicine resident physician at Rush University Medical Center in Chicago. His free time is spent staying active outdoors, attending outdoor music events, and exploring the city. He previously served as the North Central Regional Coordinator.

Tom Renner, MD

Tommy Renner, NCEMSF West Regional Coordinator, started his EMS career as an Ocean Lifeguard in Laguna Beach, CA. He later began his collegiate EMS career during his freshman year in 2012 at Johns Hopkins University on the Hopkins Emergency Response Organization (HERO). While on HERO, he served as the Equipment Lieutenant and later as the Operations Lieutenant while majoring in public health studies. After recently graduating from the Uniformed Services University of Health Sciences (USUHS) F. Edward Hebert School of Medicine, he is completing his emergency medicine intern year at Naval Medical Center San Diego. He is also a member of the International Surf Lifesaving Association (ISLA) and has lifeguarded around the world.

Matthew D. Ricci, MPA

Matt Ricci, NCEMSF New York Regional Coordinator, was the Director of Operations for UMass Lowell EMS from 2007-2010. He currently works for an incident management software company, and formerly worked in Emergency Response Department for JetBlue Airways, and Business Continuity for a large Wall Street bank. Matt's work with technology streamlined campus EMS operations and has been used toward new solutions in the airline's response operations. Matt has an MPA in Emergency and Disaster Management and maintains his EMT-B Certification.

Michael Rounding

Michael Rounding, NCEMSF Skills Classic Co-Coordinator, has been involved in campus based EMS since 2005. While pursuing an honours degree in Forensic Science at the University of Windsor (Ontario, Canada), he joined the University of Windsor Emergency Response Team (UWERT), serving as a responder and supervisor, and later advancing to program oversight roles as a director and program advisor. In addition to medical response, Michael has a passion for the fire service. Joining the Essex Fire Rescue Service in 2004, he continues to serve his community as a Captain and training officer. Concurrently, Michael undertook a career in provincial law enforcement in 2008, where he has enjoyed a range of assignments including frontline enforcement, supervision and management positions. He is currently a Staff Sergeant leading his agency's provincial training unit and is a subject matter expert in commercial vehicle enforcement.

Scott C. Savett, PhD

Scott Savett, NCEMSF Vice President and Chief Technology Officer, has been involved in collegiate EMS since 1991. His EMS career started at Ursinus College, where he was one of the founders of its EMS response group. Scott received his BS in chemistry in 1994 and subsequently enrolled in graduate school at Indiana University-Bloomington. In 1994, Scott founded IU-EMS, an organization dedicated to providing comprehensive pre-hospital education and service. Scott transferred to Clemson University in 1995 to continue his graduate studies in chemistry. He was an active volunteer with Clemson University Fire/EMS, eventually upgrading his level of training to NREMT-I and becoming cross-trained in the fire service. In May 2000, Scott received a PhD in analytical chemistry from Clemson. Professionally, Scott is a senior software analyst for Thermo Fisher Scientific, implementing Laboratory Information Management Systems (LIMS) for pharmaceutical, environmental, clinical, and biotech laboratories. He served as Chair of the Board of Directors of Whitmarsh Ambulance, a 4,000-call-per-year ALS squad in the Philadelphia suburbs from 2018 to 2021. He is a per diem event EMT for Lehigh Valley Health Network at the PPL Center in Allentown, Pennsylvania. Scott is an ardent supporter of the National Multiple Sclerosis Society and has been a Bike MS charity cycling team captain since 2006. He and his wife, Kate, ride in Bike MS events throughout the northeast US, aiming to dovetail a visit to a local campus EMS squad when the opportunity arises.

Karolina A. Schabses, MPH

Karolina Schabses, NCEMSF Membership Coordinator, has been involved in campus EMS since 1995. While earning her bachelor's degree in biology and health at Cornell University, Karolina volunteered with Cornell University EMS. After she received her degree, she worked as a New York State Critical Care EMT in Ithaca, NY. During and after her undergraduate education, Karolina resided at the Cayuga Heights Fire Department where she served in many roles including firefighter, advanced EMT, company treasurer, and continuing medical education evaluator. Karolina joined the NCEMSF Board in 1998 as Treasurer and has remained Membership Coordinator since 1999. Karolina holds a Masters of Public Health in environmental and occupational health from the Rollins School of Public Health at Emory University. She has worked in both federal and state government as an epidemiologist specializing in infection control and environmental and occupational health research. She is currently employed in state government as a health information technology director.

Paul Stromme, BHSc(P), ACP

Paul Stromme, NCEMSF Skills Classic Co-Coordinator, has been involved with campus EMS for over two decades. In 2003, he joined the University of Windsor Emergency Response Team (UWERT) as a responder. During his time at UWERT, Paul held many positions, including Crew Chief, Supervisor and Operations Manager. He presently serves as a Professional Advisor - a role he has held since 2007. Paul graduated from St. Clair College after completing the Primary Care Paramedic Program. Subsequently, he received his Advanced Care Paramedic certificate from Georgian College and Flight Paramedic designation from the ORNGE Academy of Transport Medicine. Paul holds an Executive Diploma in Municipal Management from the Association of Municipal Managers, Clerks and Treasurers of Ontario and a Bachelor of Health Science in Paramedicine from Victoria University. Paul has been actively employed with Essex-Windsor Emergency Medical Services since 2007, where he presently serves as a District Chief.

Sarah Torzone, EMT-P

Sarah Torzone, NCEMSF Southeast Regional Coordinator, became involved in EMS at the Arundel Volunteer Fire Department in Maryland prior to attending college at the University of North Carolina at Chapel Hill where she received a BS in Biology and double-majored in Medical Anthropology. Sarah served as the founding Chief of EMS at UNC Campus EMS from 2021-2023 and has been working as a paramedic in Chatham County North Carolina since 2022. During her tenure as Chief, UNC EMS was awarded HEARTSafe Campus status and spearheaded collegiate EMS involvement in college vaccine administration efforts.

Meghann Zapcic-Desrochers, MD

Dr. Meghann Zapcic-Desrochers became involved in collegiate EMS as the Director of Operations of UMass EMS in Amherst, MA where she received a BS in Psychology in 2016. Meghann worked on a variety of agencies from municipal 911 to fire-based QRS as an EMT throughout her time as an undergraduate. In 2020, she completed medical school at Temple University in Philadelphia, PA where she worked with Temple EMS on multiple projects with an active shooter drill and as part of the bike response crew. Following medical school, she completed her Emergency Medicine residency education at UMass Baystate in 2023 and finished her EMS fellowship at Brown University continuing to work as an EMS physician in the New England region.

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Schedule-at-a-Glance

Friday, February 21, 2025

04:00 PM - 10:00 PM	Conference Check-In		Ballroom Foyer Lobby Level
04:30 PM - 11:00 PM	Stryker EMS Skills Classic		
06:00 PM - 06:50 PM	Workshop Session 1		
	Pills, Potions, and Real-World Reactions	111B	Commonwealth 2
	Prehospital Ultrasound: Useful Tool or Useless Stool	111C	Grand Ballroom 3
	Rapid Sequence Intubation	111D	Grand Ballroom 4
	Not just a checklist: Strategies for EMS Preceptors	111E	Sterlings
	Roundtable: Startup	111A	King's Garden 1
07:00 PM - 07:50 PM	Workshop Session 2		
	Face/Off - Not Just a Bad '90s Movie: Managing the traumatic airway	112A	Commonwealth 2
	Sick and Trapped: Physiology to the Rescue	112B	Grand Ballroom 3
	Medical Direction and EMTALA 101	112C	Grand Ballroom 4
	Stormy Course: Endocrine Emergencies You Can't Miss	112D	Sterlings
08:00 PM - 08:50 PM	Workshop Session 3		
	Picture This: Post Cardiac Arrest Care in the ICU Setting	113A	Sterlings
	Blood Administration in the Pre Hospital Environment	113B	Grand Ballroom 3
	Oops, I love EMS	113C	Grand Ballroom 4
	Smoke Signals: Understanding Capnometry	113E	Commonwealth 2
	Roundtable: Chiefs and Presidents Leadership	113D	King's Garden 1
08:45 PM - 12:30 AM	Welcome Social and Mixer		King's Garden 2-5

Saturday, February 22, 2025

07:15 AM - 08:30 AM	Continental Breakfast		Ballroom Foyer Grand Ballroom 1-2
07:45 AM - 08:15 AM	Group Introductions / Meet and Greet		
08:15 AM - 09:05 AM	Plenary Session 1		
	Where You Get Hurt Matters: Geographic Organization of Trauma System Resources	211A	Grand Ballroom 1-2
09:15 AM - 10:05 AM	Workshop Session 4		
	Almost Everything I Taught You is Wrong	212A	King's Garden 1-2
	Prehospital Paradigm Podcast Presents: Creating a Podcast	212B	King's Garden 3-4
	Show Me The Money! Approaches to Funding a Campus Agency	212C	King's Garden 5
	Funny, You Don't Look Deaf	212D	Grand Ballroom 3
	A Story of Survival, The Role of EMS in My Lightning Story	212E	Grand Ballroom 4
	The Initial Obstetric Exam	212F	Commonwealth 1
	Attention Passengers: "Is There a Medical Provider on Board?"	212G	Commonwealth 2
	Ouch, That's Gotta Burn - A Review of Burn Management for EMS	212H	Sterlings 2-3
	Lightning Talks	212I	Grand Ballroom 1-2
	Enhancing Situational Awareness with TAK: Lessons from IU Football		
	Are Tattoos a valid DNR?		
	Don't Let the Beat Drop		
	Roundtable: Administrator/Advisor/Medical Director	212J	Benedum
	Roundtable: Recruitment and Retention	212K	Duquense
	Skills: Active Threat Response Session A	212L	Off Site
	Skills: Wilderness Wounds Management	212M	Rivers
	Skills: Airway Clinical Skills	212N	Brigade
10:15 AM - 11:05 AM	Workshop Session 5		
	Geriatric Trauma: Senior citizens don't follow the rules	213A	King's Garden 1-2
	Thinking on a spectrum... Scene Safety, Airways and more.	213B	King's Garden 3-4
	Smart Shopping for Campus EMS: Strategies for Equipment and Vendor Selection	213C	King's Garden 5
	High Index of Suspicion: Reducing Bias in Pre-hospital Diagnosis	213D	Grand Ballroom 3
	Sepsis & Septic Shock	213E	Grand Ballroom 4
	Sense & Sensitivity: Trauma-Informed Responses to Sexual Assault Calls	213F	Commonwealth 1
	Responding to Aquatic Trauma	213G	Commonwealth 2
	EMS Research in 2024	213H	Sterlings 2-3
	Prehospital Paradigm Podcast Live: Best Practices for College EMS Response	213I	Birmingham
	Roundtable: Inside the Journal of Collegiate EMS	213K	Benedum
	Roundtable: Technology	213L	Duquense
	Skills: Active Threat Response Session B	213M	Off Site
	Skills: Splinting Improv - When There are no SAMs or Air Splints	213N	Rivers
	Skills: So You Think You Can Suction	213O	Brigade
11:15 AM - 12:00 PM	Workshop Session 6 - Richard W. Vomacka Student Speaker Competition		
	Beyond the Call: The Power of Trauma-Informed Collegiate EMS	214A	King's Garden 1-2
	The Toxic Patient: Recognizing and Treating Lethal Toxidromes	214B	King's Garden 3-4
	Beyond the Call: Understanding Homelessness	214C	King's Garden 5
	Key Approaches for Conflict Prevention and Management in Collegiate EMS	214D	Commonwealth 1
	The Power of Perspective: Cultural Competence for Collegiate Responders	214E	Commonwealth 2
	Cultural Competency for EMS: Transgender and Gender Diverse Populations	214F	Sterlings 2-3

Schedule-at-a-Glance

Regional Roundtable Discussions	214G	Grand Ballroom 1-2
12:00 PM - 01:00 PM Lunch on Your Own		
Pittsburgh EMS Heavy Rescue and AHN Prehospital Care Unit Tours		Hotel Driveway
01:00 PM - 01:50 PM Workshop Session 7		
March into the Warm Zone: Trauma Care for Severely Injuries	215A	King's Garden 1-2
Creating a Protocol for Intoxicated Collegiate Patients: A DIY Adventure	215B	King's Garden 3-4
How to talk to Pediatrics" to "Little Lifesavers- Thinking like a child	215C	King's Garden 5
When Nature Calls-EMS After Hurricanes in U.S. Virgin Islands	215D	Grand Ballroom 3
Special Events Medical Planning	215E	Grand Ballroom 4
Ultrasound in EMS	215F	Commonwealth 1
Managing Crashing Patients in the Field - Reducing Mortality	215G	Commonwealth 2
Hazardous Materials Considerations for the Campus Provider	215H	Sterlings 2-3
NCEMSF Poster Session Walk Rounds	215I	Ballroom Foyer
Roundtable: Administrative Challenges in a Collegiate EMS Agency	215J	Duquense
Skills: Because I Got High (on a mountain)	215K	Rivers
Skills: Moulage - Using Stage Makeup to Create More Realistic Training	215L	Brigade
02:00 PM - 02:50 PM Workshop Session 8		
ADHD In EMS - Exploring the Path of Neurodivergent Thinking	216A	King's Garden 1-2
Reducing EMS Crew Errors via Process Design	216B	King's Garden 3-4
System Data Can Drive Change: Reducing Lights and Sirens Use	216C	King's Garden 5
Patient interview: Nocebic and Hypnotic Language	216D	Grand Ballroom 3
Trauma Review - What Do the Images Show?	216E	Grand Ballroom 4
Mental Health Crisis - I'm Not Okay	216F	Commonwealth 1
Rescue Medicine	216G	Commonwealth 2
Blunt Trauma: Mechanisms, Management, and Outcomes	216H	Sterlings 2-3
Lightning Talks	216N	Grand Ballroom 1-2
Special Field Skills & Considerations for Collegiate Dorm Response		
Bias in EMS: What is it? What can we do about it?		
Wildfire EMS Response: Step Up and Lead in Crisis		
Panel: Careers in Emergency Management	216I	Birmingham
Roundtable: The Pros and Cons of Social Media	216J	Duquense
Skills: Ultrasound in EMS - Ultrasound-Guided IV Access	216K	Sterlings 1
Skills: Nitty Gritty ACLS	216L	Rivers
Skills: This is a Drill: A College Campus MCI Tabletop Exercise	216M	Brigade
03:00 PM - 03:50 PM Workshop Session 9		
This is Fire - Case Studies on Burn Management	217A	King's Garden 1-2
LGBT+ Affirming Care in EMS	217B	King's Garden 3-4
Can You Hear the Banjos? Lessons Learned in Rural EMS	217C	King's Garden 5
Belly Badness: Cases of Abdominal Pain	217D	Grand Ballroom 3
The Trauma Care Continuum and Patient Hand Offs	217E	Grand Ballroom 4
When Athletes Collapse: CPR on the Sports Field	217F	Commonwealth 1
Fly EMS Fly - Medical Response to the Eagles Super Bowl Parade	217G	Commonwealth 2
The Curious Case of Bruce Banner: A New Lens on Severe Agitation	217H	Sterlings 2-3
Best Practice Competition	217I	Grand Ballroom 1-2
Roundtable: Fundraising and Financing	217J	Benedum
Roundtable: Let's Talk About Sex: Taking Patient-Centered Sexual History	217K	Duquense
Skills: Ultrasound in EMS - FAST (Session 2)	217L	Sterlings 1
Skill Session: March into the Warm Zone. Trauma Care for the Severely Injured	217M	Rivers
03:50 PM - 04:05 PM Snack Break		Ballroom Foyer
04:05 PM - 04:55 PM Workshop Session 10		
Injured History: Pathologies Across Time	218A	King's Garden 1-2
Resuscitation Under Pressure	218B	King's Garden 3-4
Heart Breakers	218C	King's Garden 5
End-tidal Carbon Dioxide and Waveform Capnography	218D	Grand Ballroom 3
The 12-Lead ECG in Syncope: Moving Beyond the ST Segment	218E	Grand Ballroom 4
You Took What? Recognizing Toxidromes	218F	Commonwealth 1
Docs in Camo: Is Military Medicine in Your Battle Plan?	218G	Commonwealth 2
Diverse Needs, Unified Care: Interacting with Neurodiverse Populations	218L	Sterlings 2-3
Roundtable: Training	218H	Benedum
Roundtable: Engaging Your Alumni Network	218I	Duquense
Skills: Nothing "Basic" About It-Advancing Positive Pressure Ventilation	218J	Brigade
Skills: Radiation & Hazmat Response	218K	Rivers
05:00 PM - 06:00 PM Major John P. Pryor, MD Memorial Lecture		
Legacy of Freedom House Ambulance Service	219A	Grand Ballroom 1-2
06:00 PM - 07:00 PM NCEMSF Business Meeting and Awards Presentation		Grand Ballroom 1-2
07:00 PM - 08:30 PM Alumni Mixer and Networking Event		Sky Top Lounge 24 th Floor
10:00 PM		Commonwealth 2
Movie Screening - "Join or Die"		
10:00 PM - 02:00 AM Club NCEMSF and Casino		Grand Ballroom 1-2

Schedule-at-a-Glance

Sunday, February 23, 2025

07:30 AM - 08:30 AM Continental Breakfast

Ballroom Foyer

08:00 AM - 08:50 AM Workshop Session 11

- No Drugs? No Problem: BLS Pain Management
- Mission Possible: Empowering Your EMS Team
- UndeFLEETed: Advocating for Fleet Upgrades on your Campus
- Now That's a Lot of Patients - MCI Management for the College EMS
- Why is the secret service calling me?
- Extra Special Care
- Brewed Awakening: The Impacts of Caffeine
- Pre-Med Panel
- Skills: Advanced Airway Skills Lab
- Skills: Integrating AI in EMS Education: Creating Synthetic Patients

- 311A *King's Garden 1-2*
- 311B *King's Garden 3-4*
- 311C *King's Garden 5*
- 311D *Grand Ballroom 3*
- 311E *Grand Ballroom 4*
- 311F *Commonwealth 1*
- 311G *Commonwealth 2*
- 311H *Birmingham*
- 311I *Sterlings 1*
- 311J *Heinz*

09:00 AM - 09:50 AM Workshop Session 12

- Mastering Ketamine: Enhance Your Sedation Strategy
- Championing Age-Friendly, Culturally Sensitive Care in Your Organization
- HAZMAT Safety and Considerations for EMS Response
- Deadly Mistakes: Examining EMS Squads in True Crime Cases
- Mama Mia: Recognition and Intervention of Obstetrical Emergencies
- Awkward to Awesome: Turning Difficult Dialogues into Exquisite Exchanges
- Intervening Against Impending Doom
- Roundtable: Administrator/Advisor/Medical Director
- Roundtable: Startup
- Skills: 12 lead ECG Interpretation Lab and Discussion
- Skills: Integrating AI in EMS Education: Creating Simulation Scenarios

- 312A *King's Garden 1-2*
- 312B *King's Garden 3-4*
- 312C *King's Garden 5*
- 312D *Grand Ballroom 3*
- 312E *Grand Ballroom 4*
- 312F *Commonwealth 1*
- 312G *Commonwealth 2*
- 312H *Benedum*
- 312I *Duquense*
- 312J *Sterlings 1*
- 312K *Heinz*

10:00 AM - 10:50 AM Workshop Session 13

- 1 Heart 2 Lungs: The Beta Bunch
- EMS Physician Extenders: What You Could be Doing After Graduation?
- 1st Due Action for the Non-Transporting EMT
- We Are Harming Our Patients- QA and Patient Safety
- Recognizing and Supporting Survivors of Human Trafficking in College EMS
- Mythbusting EMS: Evidence-Based Insights into Pre-Hospital Care
- Prehospital Burn Management
- Meet the Programs: HEARTSafe, EMS Ready, and MERIT
- Skills: Lead the Charge: Stop the Bleed Instructor Training

- 313A *King's Garden 1-2*
- 313B *King's Garden 3-4*
- 313C *King's Garden 5*
- 313D *Grand Ballroom 3*
- 313E *Grand Ballroom 4*
- 313F *Commonwealth 1*
- 313G *Commonwealth 2*
- 313H *Birmingham*
- 313J *Sterlings 1*

11:00 AM - 11:50 AM Workshop Session 14

- Bundle of care: Management of suspected opioid overdoses
- That Kid Just Passed Out! A Discussion of Pediatric Syncope
- Scene Safety, Leadership & Communication - It's All Connected
- Call It or Not?: An MCI Case Study
- Snap Judgments, Serious Consequences: Bias in Prehospital Care
- Light Em' Up?
- Hiking, Camping, Outdoors: That Stuff Can Kill You
- Roundtable: Emergency Management
- Skills: Hemorrhage Control - Beyond Stop the Bleed

- 314A *King's Garden 1-2*
- 314B *King's Garden 3-4*
- 314C *King's Garden 5*
- 314D *Grand Ballroom 3*
- 314E *Grand Ballroom 4*
- 314F *Commonwealth 1*
- 314G *Commonwealth 2*
- 314I *Duquense*
- 314H *Sterlings 1*

12:00 PM - 12:30 PM Conference Wrap-Up

King's Garden 5



Download the Conference App at <https://my.yapp.us/NCEMSF2025>

Thank You for Attending - Safe Travels Home!

Please remember to complete your evaluation forms online.
You will receive an email with further details following the conference.

See You Next Year!