

NCEMSF

2021

The 28th Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation



February 27, 2021
Virtual via Zoom

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President's Welcome

Welcome to the 28th Annual Conference of the National Collegiate Emergency Medical Services Foundation. This year has certainly presented each of us with unique challenges, none of which we could have imagined. However, our experiences have highlighted our resiliency, commitment, and creativity to working together to create novel solutions to overcome these challenges. I applaud all of your efforts in continuing to provide care for your communities and dedication to ensuring your continued training. We remain committed to providing the highest quality EMS education and hope that you find value in our virtual conference today. I remain hopeful that we will all be back together soon in person. We stand with you and will always be here to help.

NCEMSF 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. But frequently, discussions on the topic of campus EMS were shunned as inappropriate or obscure. As a result, the campus EMS groups that existed were isolated since there was no good forum where they could openly communicate with each other.

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. Annual conferences every year since 1994 have been a cornerstone of NCEMSF. Providing networking and information exchange among campus emergency responders remains one of the Foundation's main goals.

NCEMSF's Volunteer Leadership

NCEMSF Executive Officers

President	George J. Koenig, Jr., DO
Vice-President	Scott C. Savett, PhD
Secretary	Joshua A. Marks, MD
Treasurer	Michael S. Wiederhold, MD, MPH
Director-at-Large	Michael T. Hilton, MD, MPH
Director-at-Large	Yoni Litwok, MD

Division Chairs / Coordinators

Membership	Karolina A. Schabzes, MPH
National Coord.	Stephen J. Lanieri
Startup	Joseph M. Grover, MD
Alumni	Joshua E. Glick, MD
EMS Week	Jeffrey J. Bilyk, ACP(f)
Emergency Mgmt	Eric Pohl, NRP
Technologist	Timothy J. McMichael, NRP
Webmaster	Ian Feldman
HR	Katie Egan, MD, RN
Editor, JCEMS	Nicholas M.G. Friedman

Regional Coordinators

Canada	Evan A. Formosa
Central	Laura Hanson
Massachusetts	David Afienko
Mid-Atlantic	Zachary Matuzsan, DO and Rachel Lorenc
Midwest	Lex Martin, RN, CCRN
New York	Matthew D. Ricci, MPA
North Central	Lucas Rappert
Northeast	<i>Available</i>
N. New England	Kate Kasen, MBA, RN, CEN
Pennsylvania	Ryan M. Hay, RN
Southeast	Gabe Gan, MPH
West	Tom Renner

A Note about NCEMSF Lectures

All lectures at the NCEMSF conference strive to expand a collegiate EMS provider's scope of knowledge. It is our belief that you are the future healthcare leaders. For that reason, we encourage our speakers to present information at a level that challenges you to reach beyond the scope of a traditional EMT class. Therefore, while many 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.

Continuing Education (CE) Credit Information *Get Continuing Education Credit for the lectures you attend!*

All NCEMSF conference sessions are eligible for continuing education *credit by endorsement*. A maximum of 2.5 hours of CE are available for those that attend all educational offerings of the 2021 virtual conference.

The deadline to claim CE for this year's conference is May 1, 2021. You must have completed the CE process described below by that date in order to claim credit. In order to receive credit for your conference attendance and the sessions that you attended, please follow these directions:

Generating Your CE Report

- Login to the NCEMSF website at <https://www.ncemsf.org> with your personal credentials (NCEMSF username and password).
- Visit the "My CE Records" utility on the Conference menu. For each session, rate the topic and presenter and press the green (+) symbol to add the entry to your transcript.
- **Print out 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 for *credit by endorsement*. Some states may require a copy of this conference program or other information as well.
- **All steps must be completed by May 1, 2021.** 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 validated your attendance, rated the topics and speakers, and finalized your personalized PDF document by May 1, you will forfeit all continuing education credit from this conference.

Celebrating the NCEMSF Conference Tradition *NCEMSF Conference Locations*

1994 - Washington, DC
1995 - Philadelphia, PA
1996 - Albany, NY
1997 - Huntington, WV
1998 - Hartford, CT
1999 - Syracuse, NY
2000 - Newark, DE
2001 - Rochester, NY
2002 - Long Island, NY
2003 - Washington, DC
2004 - Baltimore, MD
2005 - Philadelphia, PA
2006 - Boston, MA
2007 - Baltimore, MD
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 via Zoom

Future Conferences:
2022 - February, location TBA

Conference Schedule - Saturday, February 27, 2021

1:00 pm - 1:15 pm *Introduction*

1:15 pm - 1:35 pm *Medical Lecture 1*

A lil Breath of Fresh Air

Benjamin Abo, DO, PMD, EMTT, FAWM

This session will take in brief but deep BREATH of understanding to the latest about reactive airway disease, the latest diagnostics, and latest treatment goals.

1:35 pm - 1:55 pm *Medical Lecture 2*

An Overview of Substance Use Disorder

Gerry Carroll, MD

The opioid epidemic is stilling raging on. EMS providers responding to this emergency can not only reverse the effects of an overdose with Narcan, but can also serve as the link to addiction treatment. During this talk, learn about opioid addiction and novel approaches to treatment of this disease.

1:55 pm - 2:15 pm *Medical Lecture 3*

The "So What" of Normal

Kate Kasen, MBA, RN, CEN

So your patient presents to you with "normal" vital signs. Does that necessarily mean your patient is ok? When are "normal" vital signs abnormal? as she explores the "so-what" of normal.

2:15 pm - 2:30 pm *COVID*

EMS: A Three-Pronged Approach for Handling Stress During the SARS-CoV-2 Pandemic

Eric Garrison, MAEd, MSc, DipLSHTM, CSC-S, ACS

Are you feeling overwhelmed? Is stress wearing you down? Is the pandemic bringing out the worst in you? There is hope. In this 15-minute mini-workshop, Eric Garrison will touch on the reasons why self-care can lift you up as a scholar and as a leader. Eric will discuss stress, resilience, community care, and their roles in making you a better student, leader, romantic partner, family member, and friend. You, too, can learn his EMS-specific tips to have a more harmonious life...no matter where you are working, studying, or living.

2:30 pm - 2:40 pm *Break*

2:40 pm - 3:00 pm *Trauma Lecture 1*

Prehospital Trauma Protocols Deserve a Long Hard STAB!

Ben Lawner, DO, MS

Dr. Lawner will review current guidelines for the treatment of trauma patients in hemorrhagic shock. Highlight the disconnect between the existing "standard of care" and best practices related to trauma resuscitation. Work through a trauma case study that highlights the "ideal" prehospital trauma protocol.

3:00 pm - 3:20 pm *Trauma Lecture 2*

Intro to the Management of Burn Care

William Hughes, MD

This lecture will review the different types and depths of thermal burns and discuss the initial treatment. It will also help providers identify interesting and special types of burns including chemical, electrical, and inhalation injury.

3:20 pm - 3:40 pm *Trauma Lecture 3*

Management of the Traumatized Airway

Sam Galvagno, DO, PhD

Following this lecture, students should be able to describe considerations in the management of the traumatized airway, list appropriate management steps for patients with maxillofacial injuries, and discuss the pros and cons of using video laryngoscopy for traumatized airways.

3:40 pm - 3:55 pm *EMS Research*

Developing a Research Project and Publishing Your Results

Christopher Gaeta

This lecture will discuss opportunities for students to engage in JCEMS mentorship program to develop a research project on their campus. Best practices to publish literature alongside peers and EMS mentors will also be reviewed.

Conference Schedule - Saturday, February 27, 2021 (continued)

3:55 pm - 4:05 pm *Break*

4:05 pm - 4:35 pm *Small Group Discussions*

4:35 pm - 4:45 pm *Small Group Summation*

4:45 pm - 5:15 pm *Annual Board Meeting and Awards Ceremony*
Awards Ceremony

NCEMSF recognizes outstanding efforts made by individuals and organizations through its awards program. New additions to NCEMSF's Striving for Excellence, HEARTSafe Campus, and EMS Ready Campus Programs will also be acknowledged along with the following:

- Collegiate EMS Week Celebration of the Year
- Collegiate EMS Video of the Year
- Collegiate EMS Community Engagement Program of the Year
- George J. Koenig, Jr. DO NCEMSF Service Award
- Collegiate EMS Advisor of the Year
- Collegiate EMS Provider of the Year
- Collegiate EMS Organization of the Year

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Presenter Bios

Benjamin Abo, DO, EMT-P, EMTT, FAWM

Dr. Benjamin Abo is a well known EMS and emergency medicine physician, toxinologist and paramedic with 25 years in emergency services throughout the globe. In particular, Dr. Abo has subspecialty expertise in wilderness and austere medicine including toxinology and animal encounters. He served as Assistant Professor of Emergency Medicine & EMS at the University of Florida College of Medicine and now is with Florida State University College of Medicine EMS Group. He has a number of leadership roles actively including Medical Director for Miami-Dade Fire Rescue Florida Task Force 1 Urban Search and Rescue, Medical Director of Gainesville Fire Rescue, Medical Director Sanibel Fire Rescue, Captiva Fire Rescue, Primary Investigator and Medical Director of Venom One and Venom Two Venom Response Units, one of only four instructors/directors for the Wilderness EMS Medical Directors Course, Chair of the National Association of EMS Physicians (NAEMSP) Wilderness Medicine Committee, and vice president of the Florida Association of EMS Medical Directors. He has multiple publications and interviews as well as textbook chapter authorships all relating to emergency medicine and wilderness/austere EMS including marine technical rescue. Beyond his physician, wilderness medicine, and paramedic certifications, Ben is also still cross-certified in diving and all aspects of technical rescue. Furthermore, Dr. Abo was both safety/medical director and talent on Propagate's Kings of Pain on the History Channel among other shows & productions for National Geographic and Shark Week. He has proudly been with NCEMSF every year for the past 20 years and looks forward to it along with #Bananaphone pictures with Dr. Lawner every year.

Gerard Carroll, MD, FAAEM, MICP

Gerard Carroll, MD is an Emergency Medicine and Emergency Medical Services Physician at Cooper University Hospital, Assistant Professor of Emergency Medicine at The Cooper Medical School at Rowan University, and Director of the Emergency Medical Services Fellowship at Cooper, all in Camden NJ. Dr. Carroll is board certified in both Emergency Medicine and Emergency Medical Services and is licensed as a Paramedic. He began his career in healthcare as an EMT over 25 years ago and now serves as the Medical Director for Cooper's Division of EMS, Disaster, and Transport Medicine. This division provides physician field response, medical direction and education for nurses, paramedics, and EMTs that staff an aeromedical service, an ALS agency, and several BLS agencies.

Samuel M. Galvagno Jr, DO, PhD, MS, FCCM

Dr. Galvagno graduated from the New York College of Osteopathic Medicine in 2000. Prior to medical school, he worked as a ski patroller, emergency medical technician, and paramedic. He is a Full Professor at the University of Maryland, R Adams Cowley Shock Trauma Center where he is the medical director for the multi trauma critical care unit. Dr. Galvagno is also a Colonel in the USAF Reserve, and is the Commander for the 459th Aerospace Medicine Squadron at Joint Base Andrews, MD. He holds board certifications in anesthesiology, critical care, neurocritical care, emergency medical services, and public health.

Eric M. Garrison, MAEd, MSc

Though NCEMSF has invited him to its annual conferences every year since 2004, Eric's ties to emergency services go back more than one hundred years. His great-grandfather held concurrent positions as a fire and police chief, and his grandfather helped build the first steel fire engine in that same Virginia town. In the areas of sexual assault, trauma-informed response, and student flourishing, Eric has devoted almost three decades training EMS providers, police, firefighters, doctors, scientists, medical students, fraternities and sororities, and college athletic teams around the world - from Oxford, Mississippi, to Oxford University, and from the CDC to NASA. As an author and award-winning public speaker with international acclaim, Eric has also consulted at countless universities with NCEMSF membership, and we have invited Eric back this year to address the stress that our members continue to face during this pandemic.

Should the fifteen minutes with him leave you wanting more, please know that he loves hearing from our members. You can contact him via his website at www.ericmgarrison.com.

Christopher Gaeta

Christopher is the incoming editor in chief at the Journal of collegiate EMS, and is a student at Swarthmore college. He regularly contributes to *EMS World* magazine and has published several dozen research articles.

William B. Hughes, MD

Dr. Hughes is the medical director of Jefferson Health Burn Center. With more than two decades in practice and board certification in surgery, Dr. Hughes specializes in burn surgery, trauma surgery, and surgical critical care. He remains one of the foremost burn educators and practice advancement advocates for the EMS community. He can be reached at william.hughes@jefferson.edu.

Kate Kasen, MBA, RN, CEN

Kate Kasen, NCEMSF Northern New England Regional Coordinator, graduated from Saint Anselm College with her BSN in 2012 and obtained an MBA from Southern New Hampshire University in 2019. Kate first became involved in EMS in 2009, when she joined Saint Anselm College EMS as an EMT. Prior to graduating, she was elected to captain of Saint Anselm EMS. Kate currently works as an RN Administrative Coordinator at the Life Support Learning Center for UVA Health. She coordinates and teaches classes through the American Heart Association, Emergency Nurses Association and UVA Health's Prehospital Program. Additionally, she builds and conducts simulations for staff within the hospital. She is a Certified Emergency Nurse.

Benjamin Lawner, DO, MS, EMT-P, FAECp

Dr. Lawner's interest in emergency medicine began at an early age. He considered paramedics Johnny Gage and Roy DeSoto as childhood friends and was often spotted at daycare donning a plastic "squad 51" fireman's hat. After "Emergency!" was cancelled, he inexplicably clung to the TV set for career counseling. Disappointed by the surgeons of, "Trapper John, MD," Ben turned to Howie Mandel (St Elsewhere's Dr. Wayne Fiscus) for further inspiration. True to his out-of-hospital roots, Ben completed EMT school in 1994 and secured his first pair of trauma shears. Until 2001, Ben worked for Alachua County Fire Rescue as a lead paramedic / firefighter. Fortunately for the population of north central Florida, Ben was never detailed to a fire suppression apparatus and remained "stuck on the box (ambulance)." He graduated from Nova Southeastern University's College of Osteopathic Medicine in 2005 and completed his emergency medicine residency training at the University of Maryland. He served as a Chief Resident and Faculty Development Fellow for the 2008-2009 academic year and completed an EMS fellowship jointly sponsored by UMBC, UMD, and the Maryland Institute for Emergency Medical Services Systems (MIEMSS). Ben's current academic interests include medical education, critical care transport, and resuscitation. Dr. Lawner currently serves as the Medical Director for the Baltimore City Fire Department and the Maryland ExpressCare Critical Care Transport program. Ben was the recipient of the National Junior Faculty Teaching Award from the American College of Emergency Physicians. In 2018, JEMS recognized Dr. Lawner with the John P. Pryor Street Medicine Society Award for his contributions to prehospital medicine and education.