# Agenda

EMS State of the Science XXI

Sponsored by the University of Texas Southwestern Medical Center
Department of Emergency Medicine and Office of Continuing Medical Education

Course Director, Paul E. Pepe

* Dedicated to the Women and Men of EMS Who Advocate, Day and Night, for the Sick, the Injured, Their Families and Friends – and So Many Others in Need. We Salute You, the Every Day Heroes Who Are First There to Provide First Care for Those We Serve and the Many, Many Others Who Help to Facilitate and Optimize That Labor of Love and Service.

Friday Morning, March 1, 2019

7:00-7:30am Registration, Continental Repast and VIP Reception

7:30am **THE CONFERENCE BEGINS**

- Welcomes and General Announcements
  - Raymond L. Fowler, MD (The Most-Welcoming Host Takes His Post)
  - Paul E. Pepe, MD, MPH (Unofficial Troupe Coordinator)

7:40am We Have an App for That – Polling Software for the Gathering

Drs. Sophia Dyer & Stein Bronsky

## The Quintessential Experience!

A Fem Score Over Four, a Panj Melange, Five-to-One, Baby, One-to Five; It’s Cinque Terr-ific! Another Fab-5 Day Quintella’s in! With a Pentamorous Pentathlon of Nickel-back High Fives (using Peni-Up Pentacles and a Whole Lotta Fun), at 15 of the Hour, the Penultimate Educator Leaves His Quinary La Quinta Penthouse, and, Without Taking the Fifth, Gets Us in Cinco with “Five to Life” Pentad Sentences for a Pentatonic Quintet of Five-Finger Discourses Regarding a Quintuplet of Scientific Pentagrams!

7:45-7:55am The Pentagon Papers: The Five Most Important Publications of the Past Year

Corey M. Slovis, MD (Nashville)

8:00-8:05am Certifiably Well-Read: The 12 Publications ABEM Wants Your Doc to Know

Brian M. Clemency, DO, MBA (Buffalo)

## The “A” in the ABCs

Clearing the Air on Some Adjunct and Device Issues

8:10-8:20am Capturing Captivating Capnography Capabilities: ETCO₂ Uses Beyond Airway Placement

W. Scott Gilmore, MD (St. Louis) & David M. French, MD (Charleston)

8:25-8:35am Super-Info about Supra-Glottics: Best Devices, Best Practices, Best Choices in SGAs

Joe E. Holley, MD (Memphis), Scott T. Youngquist, MD (Salt Lake City) & Jonathan Jui, MD (Portland)

8:40-9:00am Providing a Safety Map to the Pulmonary Super-Highway:

Deliberately Delivering a DASH of DSI: Re-Considering Rapid Sequence Induction for ETI

Peter M. Antevy, MD (GBEMDA)

The Polk County POHCA: Using Physiologically-Driven Approaches to Pediatric Cardiac Arrest

Paul E. Pepe, MD (Course Director)

## A Shot of Adrenaline:

More Commentary on Epinephrine Administration in Resuscitation

9:05-9:10am No Adrenaline Rush: Results of an Alternative Approach to Adrenaline-Dosing

Kimberly M. Pruett, MD (Albuquerque)

9:10-9:15am Epi-Phenomenon: The Most Practical Uses of Epinephrine in Resuscitation

Marc R. Conterato, MD (Minneapolis)

9:15-9:20am Pushing Out the Push-Doses with Dirty Dancing Fancying: More Efficient Training with an Epi Drip Model

David P. Keseg, MD (Columbus)

## Re-Triaging Triage:

2019 Reasons for Why We Are Modifying Triage Techniques

9:25-9:35am Confounding On-the-Ground Compounds: Our Unique Challenges from Chemical Attacks by Terrorists

Asa M. Margolis, DO, MPH (U.S. Secret Service)

9:45-9:55am Mitigating Malignant Mayhem in Manchester: What Was Our Mass Casualty Dispersion Plan?

David Ratcliffe, MD (Manchester, UK)

9:55-10:00am Difficult Decision-Making Dilemmas Delivered in Disasters: The Ethics of Triage in Terrorist Attacks

Pierre A. Carli, MD (Paris)

10:05-10:10am Traditional Triage on Trial: Reality-Testing the Current Paradigms for MCIs

E. Stein Bronsky, MD (Colorado Springs) & K. Sophia Dyer, MD (Boston)


Paul E. Pepe, MD (Course Coordinator) & Peter M. Antevy, MD (GBEMDA)

10:15 -10:30am **TAKE A BREAK** – One-Quarter Hour of No-Nonsense Networking and Vendor-Visiting
10:30-10:40am  Treating Tragedy at the Tree: Did the Hartford Consensus Save Lives in Pittsburgh?
   Ronald N. Roth, MD (Pittsburgh)

10:40-10:45am  Mitigating a Threat of Biblical Proportions:
   The Resilience of the Emanuel Congregation and Community Responders
   David M. French, MD (Charleston)

10:50-11:00am  EMS as 4th Responders: Recognizing and Adapting to a New Chain of Survival in MCIs
   Peter M. Antevy, MD (Coral Springs / Parkland, Florida)
   MCI Lost and Found: Re-Uniting Patients and Families after Assailant Attacks
   Kenneth A. Scheppke, MD (West Palm Beach)
   Correcting Catastrophic Curricula: Re-Thinking Our Disaster Management Training
   Erica R. Carney, MD (Kansas City)

10:50-11:10am  Mitigating a Threat of Biblical Proportions:
   The Resilience of the Emanuel Congregation and Community Responders
   David M. French, MD (Charleston)

11:10-11:20am  EMS is Our Specialty: How the Medical Practice of EMS Got Recognized in the House of Medicine
   Debra G. Perina, MD (ABEM & Charlottesville)

11:20-11:50am  Lightning Rounds with the Evolving Global Assembly of EMS Raptors:
   The Metro Med Directors and Friends Hit the Risers
   Traditional Annual Honors and Recognitions -- Ray Fowler and Friends
   Followed by a "Staged" Photo Op of the Faculty

Noon to 1:10p  LUNCH with the BUNCH – Each Faculty Heads a Table Discussion
   -- Save a Seat for Your Facile Facilitator

Friday Afternoon, March 1, 2019

Two’s Company, 500,000’s A Crowd:
   The Past Year’s Experiences with Crowd Medicine

1:10-1:25pm  When a (Not-So-Sober) 360K-Attendee Crowd is Just Not Enough:
   Managing an Additional Mass Gathering Event within an Already Massive Mass Gathering
   Daniel P. O’Donnell, MD (Indianapolis)
   Punt, Pass, Kick and other 9-1-1 Audibles:
   Effect of a Super Bowl on the Surrounding Community’s EMS Call Volume, Type and Periodicity
   Arthur H. Yancey, II, MD, MPH (Atlanta)

Agendas, Rules and Regulations:
   Putting Them to Our Use

1:25-1:55pm  The Impact of the Pact:
   What the 2018 NHTSA EMS Scope of Practice Means for You and Your Agency
   Peter P. Taillac, MD (NAEMSO)
   Advocating for Advocacy: The Impact -- Including the Recent CMMI Initiative for EMS
   J. Brent Myers, MD, MPH (Immediate-Past President of NAEMSP)
   Stateside Diplomacy: Strategies for Early Wins at the State Legislature
   Marc A. Gautreau, MD, MBA (San Jose)
   Is There a Plan A for Prop B? The Occasional Consequences of Our Advocacy Efforts
   David E. Perse, MD (Houston)
   Subversion of the Incursion of Diversion: 2019 Methods to Deal with Hospital Bypass Requests
   M. Riccardo Colella, DO, MPH (Milwaukee)

How Well Can We Do It?
   Force Protection and Other Wellness Issues for EMS Personnel

2:00-2:10pm  What You Can’t See --- Can Really Hurt You:
   The Evolving Emergence of Antibiotic-Resistant Organism Exposures That We Will Encounter
   Edward M. Racht, MD (AMR)

2:15-2:25pm  Getting Hep to Hep A:
   What Responders Need to Know About Hepatitis Type A
   Jonathan Jul, MD, MPH (Portland)
   K. Sophia Dyer, MD (Boston)

2:30-2:50pm  Leaning Towards Screening: Ruling-Out Mitotic Disease and FMS for EMS
   Godo Savinsky, MD (Hamburg) and
   Daniel P. O’Donnell, MD (Indianapolis)
   It’s a Tiresome Business:
   Managing Fatigue in EMS Personnel
   Peter P. Taillac, MD (NAEMSO)
   C. Crawford Mechem, MD (Philadelphia)

2:55-3:10pm  Placing Our Troops into Protective Custody:
   When the EMS Providers are Victims of Violence
   C. Crawford Mechem, MD (Philadelphia)
3:15 - 3:30pm  **TAKE A BREAK** – 15 minutes of Good Sense Networking and Vendor-Visiting

3:30-3:45pm  Building the Pyramids for the Street Pharaohs of EMS:
**U.S. and U.K. Initiatives for 1st Responders’ Wellness**
S. Marshal Isacs, MD (Dallas) & Fionna P. Moore, MD (NHS)

3:45-3:55pm  Brilliantly-Borrowed Breakthroughs from the Brave Brigade:
**A Unique EMS Prevention Division in the Deutsche Republik**
Stefan Poloczek, MD, MPH (Berlin)

**Different Strokes for Different Folks:**
**2019 On-Going Issues in Stroke Care**

4:00-4:25pm  Balancing the Scales, 1-Stroke Handicaps & Mobile Cerebral Telepathy:
**Challenging, Choosing and Modifying Best Practices in CVA Management**
Joseph M. Weber, MD (Chicago), Charles F. Mason, MD (Little Rock),
E. Stein Bronsky, MD (Colorado Springs) & Jeffrey M. Goodloe, MD
(Tulsa and Oklahoma City)

**Traumatic and Hypotensive Events:**
**Advances and New Challenges:**

4:30-4:45pm  Clot-Musters in the Golden State:
**TXA Management Among Multiple Counties in California**
Karl A. Sporer, MD (Alameda County)

Finally – “More” Might Be “Better” in Prehospital Care:
**What’s the Best Dose of TXA in TBI – and Why?**
Craig A. Manifold, DO (NAEMT)

Need to Re-Instate VPS (Vampire Prevention Techniques) in the Alamo City:
**Why Is EMS Carrying Whole Blood in San Antonio?**
David A. Miramontes, MD & C.J. Winkler, MD (San Antonio)

4:50-5:10pm  Persistent Injurious Concepts:  **Continuing Major Myths in Trauma Care**
Christopher B. Colwell, MD (San Francisco)

The Evolving Toll of 9-1-1 E-Mergencies:
**The Impact of Electronic Scooters and Bikes**
Clement C. Yeh, MD (San Francisco)

Clusterphobia:  **The Numerous Challenges and Considerations in Confined Space Amputation**
Marc K. Eckstein, MD, MPH (Los Angeles)

5:15-5:30pm  Heeding the Bleeding:
**The Special Case of Post-Partum Hemorrhage**
J. Joelle Donofrio, DO (San Diego)

Why You Should Fly with a CRI:
**Recognizing Hypovolemia with an Index Scale**
E. Stein Bronsky, MD (Colorado Springs) & Craig A. Manifold, DO (NAEMT)

**Saturday Morning, March 2, 2019**
7:00-7:30am  Registration, Continental Repast and VIP Reception

**A Heads-Up on Heads-Up:**
**The Whys, Wherefores and Watch-Outs about Trending Advances in CPR Techniques:**

7:45-7:55am  Doing Tilt Tests with TLC:  **The Latest on the Value, Limitations and Promise of Elevated CPR**
R.J. Frascone, MD (St. Paul)

**Gone (Badly) Without a Trace:**
**Remembering the Key Role of ECG Tracings in EMS**

8:05-8:15am  Electrocardiography 501:
**Subtle ECG Findings You Might Miss**
Christopher B. Colwell, MD (San Francisco)

Time to Get Hyper:
**Five (not four) ECG Changes with Clinically-Significant High Serum Potassium**
Corey M. Slavos, MD (Nashville)

8:15-8:20am  Syncretizing Synchronicity in the Sizing-Up of Syncope:
**Recognition of Brugada by Medics**
Marc A. Gautreau, MD, MBA (San Jose)

8:25-8:35am  Shocking Results:  **How Accurate Are Paramedic ECG Analyses in Cardiac Arrest?**
Stemming the Tide in STEMI Care:
Improving Diagnostic Delineation
8:40-9:00am Elevation Trepidation: Improving STEMI Systems of Care
W. Scott Gilmore, MD (St. Louis)
Michael K. Levy, MD (Anchorage)
Jeffery L. Jarvis, MD (GETAC)

A Bundle of Joy:
Improving Cardiac Arrest Survival Through Special Combinations of Care
9:05-9:25am Extra-Corporeal Activities: Technology, Mobility and a Tale of 4 Cities
R. J Frascone, MD (St. Paul)
Mark R. Conterato, MD (Minneapolis)
David P. Keseg, MD (Columbus)
ECMO Allegretto: The Milano Out-of-Hospital ECLS Algorithm
Roberto Fumagalli, MD (Milan, Italy)

 Automation Conflagration: Why Mechanical CPR Can Be Difficult to Prove -- But Likely to Be Useful
Michael K. Levy, MD (Anchorage)

9:30-9:55am Facilitating Facile Facilities for Effecting Functional Survival:
Progress on Regionalization of Cardiac Resuscitation Centers
Karl A. Sporer, MD (Alameda County)
David A. Miramontes, MD (San Antonio)
Kenneth A. Scheppke, MD (West Palm Beach)
(and Drop-In Cameo)

10:00-10:15am Progressive Performance Solutions: An Intro to CPR LifeLinks
Michael K. Levy, MD (Anchorage)
Arresting Developments: High-Performance CPR for Kids
Peter M. Antevy, MD (GBEMDA)
Why We’re No Longer PALS:
Appropriate Management of Neonatal Resuscitation
J. Joelle Donofrio, DO (San Diego)

10:15 -10:30am TAKE A BREAK – 900 seconds of Good Sense Networking and Vendor-Visiting

Pitchfork (♀) Pitches:
Improving Systems of Mental Health Care Through EMS
10:30-10:40am The Upstream Team: An Interdisciplinary Approach to Mental Health
Joseph M. Weber, MD & Katie L. Tataris, MD, MPH (Chicago)

10:40-11:05am Getting Psyched with EMS: Bypassing the ED to a Special Mental Health Unit
Karl A. Sporer, MD (Alameda County)
David A. Miramontes, MD (San Antonio)
Seeing is Believing: Treatment Through TelePsych
David M. French, MD (Charleston)
Supply & Demands: Reducing Ambulance Responses Despite Escalating Call Volume
B. Craig Ellis, MD (Auckland)
A Better Mode for the No-Load: Crossing the T’s and Dotting the I’s for Non-Transported Patients
B. Craig Ellis, MD (Auckland)
Calculating Capable Capacity: One Method to Determine the Ability to Appropriately Decline Care
Dustin J. Calhoun, MD (Cincinnati)

11:10-11:15am Fake News in Overdose Blues: It’s Not Just an Opioid Crisis
Kevin E. McVaney, MD (Denver)

11:15-11:50am Lightning Rounds with the Evolving Global Assembly of EMS Raptors:
The Metro Med Directors and Friends Hit the Risers

11:50 to Noon Traditional Annual Honors and Recognitions – Ray Fowler and Friends
Michael K. Copass and Corey M. Slovis Awards
Followed by a “Staged” Photo Op of Award Winners

Noon to 1:10p LUNCH with the BUNCH – Each Faculty Heads a Table Discussion
(Save a Seat for Your Facile Facilitator)
Saturday Afternoon, March 2, 2019

Environmental Concerns:
The Challenges, Nuances -- and Even Similarities -- of EMS Response in Different Settings

1:15-1:20pm  Vive la différence – Not Really
Recognizing Some of the Striking Similarities of Issues Faced by Rural vs. Urban EMS
Jeffrey L. Jarvis, MD (GETAC)

1:20-1:25pm  Vive la différence – insists
Significant Cultural, Logistical & Clinical Demand Differences Faced by Sub-Continental EMS Teams
Marc A. Gautreau, MD (San Jose)

1:30-1:40pm  Seeing Yellow: Managing the French National Labor Protest Movement
Pierre A. Carli, MD (Paris)

1:40-1:50pm  Business as Unusual: How Hamburg’s EMS Dealt with the G20 Summit
Godo Savinsky, MD (Hamburg)

1:55-2:00pm  Getting There ASAP: Mini-Ambulances for Major Incidents
Glenn H. Asaeda, MD (New York City)

Netting the Setting of Interneting:
Other Ways We Can Use Telemedicine in EMS

2:05-2:25pm  Maelstrom Medicine: Providing Telemedical-Based Care During Hurricane Florence
Jose G. Cabanas, MD, MPH (Raleigh)

2:05-2:15pm  Off-Site Sightings: Using Telemedicine to Cover for Subspecialty Shortcomings
Stefan Poloczek, MD, MPH (Berlin)

2:15-2:25pm  Click & Point-Yearning for Learning: Some Advances in Tele-Education
David M. French, MD (Charleston)

Trading-Out Traditional Traditions:
The Role of Technology, Thinking Outside the Box – and Documenting It

2:30-2:40pm  Reality Testing: Getting More Realistic Training and Evaluation with Contemporary Simulation Models
John M. Gallagher, MD (Wichita)
Jonathan Jui, MD, MPH (Portland)

Annual Reports from the Raptor Nest:
Communications from the (Cutting) Edge: Sifting Thru the Bales of Eagle E-Mail Trails about What Ails, What Sails and What Wails!
Kenneth A. Scheppke, MD for James J. Augustine, MD (Team Librarian)

3:00-3:15pm  TAKE A BREAK – 900 Billion Nanoseconds of “Great Seeing Ya’s” and Vendor-Visiting

3:15-3:35pm  Angelic Performances: The Evolution of Mobile Integrated Health in LA City
Marc K. Eckstein, MD, MPH (Los Angeles)

Alternative Motives: Destinations Other Than Traditional Hospital-Based ED’s
Jeffrey M. Goodloe, MD (OKC/Tulsa) & Paul E. Pepe, MD, MPH (p=0.06)

Directly Re-Directing the Directive: An IT-Based Non-Emergency Patient Navigator
Peter M. Antevy, MD (GBEMDA)

3:50-4:30pm  The 2019 Great Debates in EMS
IT’S ANOTHER DATE FOR LATE (BUT GREAT) DEBATES OF WEIGHT FROM MATES WHO TAKE THE BAIT AND STATE, GRATE AND BERATE THE FATE ABOUT THINGS YOU MIGHT HATE OR HIGHLY RATE!

3:50-4:05am  ROUND 1
Dinosaur, Unicorn or Plowhorse:
Is Prehospital Endotracheal Intubation Elemental or Detrimental?
Con: Katie (“Southside Katie”) Tataris, MD, MPH
Pro: Sophia (“The Fenway Fender”) Dyer, MD

4:10-4:30pm  ROUND 2
An Epi Phenomenon – Part I
Dr. Ray (“Sugar Ray”) Fowler – the Con (& Ex-Pro)
An Epi Phenomenon – Part II
Dr. Terry (“Be Very Wary”) Valenzuela – the Pro (& Ex-Con)
Followed by Muddles, Huddles and Rebuttals

4:30-4:55pm  The Troupe Wings It: Saturday Lightning Rounds #2
Metropolitan EMS Medical Directors, Their Colleagues & Friends Wrap It Up for 2019

5:00pm  ADJOURNMENT for 2019
The Global Consortium of Metropolitan Municipalities
EMS Medical Directors, Key Partners & Special Participants
February 26 – March 2, 2019 Eagles Coalition Meetings, Dallas, Texas, USA

Metropolitan Municipalities EMS Medical Directors

New York City:
Glenn H. Asaeda, MD - Chief Medical Director, Fire Department of New York, New York City, NY

City of Los Angeles:
Marc K. Eckstein, MD, MPH - Medical Director and EMS Bureau Commander, Los Angeles Fire Department; Professor, Department of Emergency Medicine, Keck School of Medicine of the University of Southern California School of Medicine, Los Angeles, CA

City of Chicago:
Joseph M. Weber, MD - Medical Director, EMS System for the City of Chicago (West) and John H. Stroger Jr. Hospital of Cook County; Associate Professor of Emergency Medicine, Rush Medical College, Chicago, IL
Eddie J. Markul, MD - Medical Director, EMS System for the City of Chicago (North), and Attending Emergency Physician, Advocate Illinois Masonic Medical Center. Assistant Clinical Professor of Emergency Medicine, University of Illinois at Chicago, Chicago, IL
Katie L. Tataris, MD, MPH - Medical Director, EMS System for the City of Chicago (South); Assistant Professor of Emergency Medicine, University of Chicago and University of Chicago Hospital, Chicago, IL
Christopher T. Richards, MD, MS - Medical Director, EMS System for the City of Chicago (East); Assistant Professor of Emergency Medicine, Northwestern Feinberg School of Medicine, Chicago, IL

City of Houston:
David E. Persse, MD – Physician Director, City of Houston EMS; Public Health Authority, City of Houston Department of Health and Human Services; Past-Chair, Board of Directors, NREMT; Professor, Departments of Emergency Medicine and Surgery, Baylor College of Medicine, Houston, TX
Chris M. Souders, MD - Associate Medical Director, Houston Fire Department; Clinical Assistant Professor, Surgery, Baylor College of Medicine, Houston, TX

City of Philadelphia:
C. Crawford Mechem, MD – EMS Medical Director, Philadelphia Fire Department; Professor, Department of Emergency Medicine, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA

City of Phoenix:
John V. Gallagher, MD – EMS Medical Director, Phoenix Fire Department and Arizona Task Force One, Phoenix, AZ

City of San Antonio:
David A. Miramontes, MD, NREMT - Medical Director, San Antonio Fire Department; Assistant Clinical Professor, University of Texas Health Science Center, San Antonio, TX
C.J. Winckler, MD, LP - Deputy Medical Director, San Antonio Fire Department; Assistant Clinical Professor, University of Texas Health Science Center, San Antonio, TX

City of San Diego:
Christopher A. Kahn, MD, MPH – EMS Medical Director, Fire-Rescue Department, City of San Diego; Associate Professor of Clinical Emergency Medicine, University of California San Diego Health System, San Diego, CA
J. Joelle Donofrio, DO – Associate EMS Medical Director, Fire-Rescue Department, City of San Diego; Assistant Professor in Pediatrics and Emergency Medicine, University of California, San Diego Health System; Attending Physician and Medical Director for EMS, Rady Children's Hospital, San Diego, CA

City of Dallas:
S. Marshal Isaacs, MD – Medical Director, City of Dallas Fire-Rescue Department; Medical Director, University of Texas Southwestern Medical Center-Parkland Hospital BioTel EMS System; Professor of Emergency Medicine, the University of Texas Southwestern Medical Center and the Parkland Health and Hospital System, Dallas, TX

City of San Jose:
Marc A. Gautreau, MD – Medical Director San Jose Fire Department, San Jose, CA; Clinical Associate Professor of Emergency Medicine and Director of Pre-Hospital Care, Department of Emergency Medicine, Stanford University, Palo Alto, CA

City of San Francisco:
Christopher B. Colwell, MD – Chief of EMS, City of San Francisco; Professor and Vice Chair, Department of Emergency Medicine, University of California, San Francisco (UCSF) School of Medicine and Chief of Emergency Medicine, Zuckerberg San Francisco General Hospital and Trauma Center; San Francisco, CA
Clement C. Yeh, MD - Medical Director, San Francisco Fire Department EMS and San Francisco Department of Emergency Management; Professor, Department of Emergency Medicine, University of California, San Francisco, San Francisco, CA

City of Indianapolis:
Daniel P. O'Donnell, MD - Medical Director, Indianapolis EMS/Indianapolis Fire Department; Associate Professor of Clinical Emergency Medicine and the Division Chief and Fellowship Director, Out-of-Hospital Care (EMS), Department of Emergency Medicine, Indianapolis University School of Medicine, Indianapolis, IN

City of Columbus:
David P. Keseg, MD – Medical Director, City of Columbus Division of Fire; Adjunct Professor of Emergency Medicine, Department of Emergency Medicine, the Ohio State University Wexner Medical Center, Columbus, OH
Eric J. Cortez, MD - Associate Medical Director, City of Columbus Division of Fire; Clinical Assistant Professor of Emergency Medicine, Ohio University Heritage College of Osteopathic Medicine; Core Faculty, Ohio Health Doctors Hospital Emergency Medicine Residency Program, Columbus, OH
City of Fort Worth:
Veer D. Vishalani, MD – Interim Medical Director, MedStar Mobile Healthcare (City of Fort Worth and Tarrant County EMS), Ft. Worth, TX

City of Detroit:
Robert B. Dunne, MD – EMS Medical Director, Detroit East Medical Control Authority; Associate Professor & EMS Fellowship Program Director, Wayne State University, Detroit, MI

City of Seattle:
Michael R. Sayre, MD - Medical Director, Seattle Fire Department Medic One Program, Professor of Medicine/Emergency Medicine and EMS Fellowship Director, University of Washington and Harborview Medical Center, Seattle, WA
Michael K. Copass, MD – Eagles Icon in Perpetuum: Medical Director Emeritus, Seattle Medic One Program (City of Seattle EMS), Seattle Fire Department; Former Professor of Medicine and Neurology, University of Washington, Harborview Medical Center Seattle, WA

City of Denver:
Kevin E. McVaney, MD - Medical Director, Denver Paramedics, Denver Fire and Denver 9-1-1 Communications Center; Associate Director of Service, Denver Health Emergency Department; Associate Professor, Department of Emergency Medicine, University of Colorado, Denver, CO

City of Memphis:
Joe E. Holley, MD – Medical Director, Memphis Fire Department EMS, City of Memphis and surrounding Shelby County; State of Tennessee EMS Medical Director, Memphis, TN
K. Sophia Dyer, MD, Medical Director, City of Boston EMS; Associate Professor of Emergency Medicine, Boston University School of Medicine (BUSM) and Boston Medical Center, Boston, MA

City of Nashville:
Corey M. Slovis, MD – Medical Director, Metro Nashville Fire Department and International Airport; Professor and Chair of Emergency Medicine, Vanderbilt University Medical Center, Nashville, TN

City of Portland:
Jonathan Jui, MD, MPH – EMS Medical Director, Multnomah County, Oregon (includes Cities of Portland and Gresham and the Portland International Airport); Professor, Department of Emergency Medicine, Oregon Health and Science University, Portland, OR

Cities of Oklahoma City and Tulsa:
Jeffrey M. Goodloe, MD, NRP – Medical Director, Medical Control Board, EMS System for Metropolitan Oklahoma City and Tulsa; Professor and EMS Section Chief, Department of Emergency Medicine, The University of Oklahoma School of Community Medicine; Director, Oklahoma Center for Pre-hospital & Disaster Medicine; Medical Director, Oklahoma Highway Patrol; Immediate-Past National Chair, EMS Committee, American College of Emergency Physicians (ACEP); Oklahoma City and Tulsa, OK

City of Las Vegas:
David E. Slatery, MD - Deputy Chief and EMS Medical Director, Las Vegas Fire and Rescue, Associate Professor and Director of Research for the Department of Emergency Medicine at the University of Nevada School of Medicine, Las Vegas, NV

City of Milwaukee:
M. Riccardo Colella, DO, MPH - Director of Medical Services, Milwaukee County Office of Emergency Management; Professor and Chief, Division of EMS Medicine, Departments of Emergency Medicine, Pediatrics and The Institute for Health and Equity, Medical College of Wisconsin; Milwaukee, WI; Medical Director, State of Wisconsin EMS and Trauma Systems, Wisconsin Department of Health, Madison, WI

City of Albuquerque:
Kimberly M. Pruett, MD - Medical Director, Albuquerque Fire Rescue; Associate Professor, Department of Emergency Medicine, University of New Mexico, Albuquerque, NM

City of Tucson:
Terence D. Valenzuela, MD, MPH - Medical Director, Tucson Fire Department; Professor of Emergency Medicine, University of Arizona, Tucson, AZ

City of Buffalo:
Brian M. Clemency, DO, MBA - Medical Director, AMR of Buffalo; Member, National Association of EMS Physicians Board of Directors; Associate Professor and EMS Fellowship Program Director, Department of Emergency Medicine, University at Buffalo and Emergency Medicine Staff at Erie County Medical Center, Buffalo, NY.

City of Kansas City:
Erica R. Carney, MD - Medical Director, Office of the EMS Medical Director for the City of Kansas City, Missouri; Medical Director, University of Missouri Kansas City (UMKC) EMS Education System; Assistant Professor, UMKC Truman Medical Center Department of Emergency Medicine, University of Missouri Health System; EMS Medical Director, Central Jackson County Fire Department and Region A EMS Medical Director, Kansas City, MO

City of Atlanta:
Arthur H. Yancey, II, MD, MPH - Medical Director of Grady EMS (City of Atlanta EMS); Associate Professor, Department of Emergency Medicine, Section of Pre-hospital and Disaster Medicine, Emory University School of Medicine; Atlanta, GA.

City of Raleigh:
Jose G. Cabanas MD, MPH – Director/Medical Director, Wake County (Raleigh) Department of Emergency Medical Services, Raleigh, NC; Clinical Associate Professor, University of North Carolina Department of Emergency Medicine, Chapel Hill, NC

City of Washington, DC:
Robert P. Holman, MD – Medical Director, District of Columbia Fire & EMS Department, Washington, DC
Neha P. Sullivan, MD - Assistant Medical Director, District of Columbia Fire & EMS Department, Washington, DC

City of Austin:
Mark E. Escott, MD, MPH, NRP - EMS System Medical Director, City of Austin and Travis County and Clinical Assistant Professor, Division of Emergency Medicine, University of Texas, Austin, Dell Medical School, Austin, TX
City of Miami:
Paul J. Adams, DO – Medical Director, City of Miami and Key Biscayne Fire Rescue and SkyService Air Ambulance; Medical Director, Miami-Dade College EMS Training Program; Staff Physician in Emergency Medicine, Jackson Memorial Hospital, Miami, FL
Armando Clift, MD – Associate Medical Director, City of Miami and Key Biscayne Fire Rescue, Staff Physician in Emergency Medicine, Jackson Memorial Hospital, Miami, FL

City of Colorado Springs:
E. Stein Bronsky, MD – Chief Medical Director, Colorado Springs Fire Department and American Medical Response (AMR) Ambulance Service, El Paso County, CO, Medical Director, El Paso-Teller County 9-1-1 Authority. Staff Physician in Emergency Medicine, Penrose Main Hospital and St. Francis Medical Center, Colorado Springs, CO

City of Minneapolis:
Marc R. Conterato, MD – Office of the Medical Director, Joint Minneapolis EMS System; Clinical Associate Professor, Department of Emergency Medicine, University of Minnesota Medical School, Minneapolis, MN

City of St. Louis:
W. Scott Gilmore, MD, EMT-P - Medical Director, St. Louis Fire Department and Emergency Physician, SSM Health St. Mary’s Hospital, Richmond Heights, MO

City of Wichita:
John M. Gallagher, MD - EMS System Medical Director, Wichita/Sedgwick County EMS System; Adjunct Clinical Professor, Kansas University School of Medicine; Member of the Board, National Association of EMS Physicians, Wichita, KS

City of Pittsburgh:
Ronald N. Roth, MD – Medical Director, City of Pittsburgh, Department of Public Safety; Team Physician, Pittsburgh Steelers; Emergency Medical Consultant. Pittsburgh Penguins and the University of Pittsburgh Panthers Football Team; Professor of Emergency Medicine University of Pittsburgh, School of Medicine, Pittsburgh, PA

City of Anchorage:
Michael K. Levy, MD - Medical Director, Municipality of Anchorage Fire Department and Anchorage Area-wide EMS Medical Director; President-Elect, National Association of EMS Physicians (NAEMSP); State of Alaska EMS Medical Director; and Course Director, NAEMSP-ACEP EMS Subspecialty Board Review Course; Affiliate Clinical Faculty, Health Sciences, University of Alaska, Anchorage, AK

City of Cleveland:
Thomas E. Collins, MD – Medical Director, City of Cleveland Emergency Medical Services (EMS)/Fire/Police; Associate Professor, Emergency Medicine, Case Western Reserve University School of Medicine, Cleveland, OH

City of Charleston:
David M. French, MD - Medical Director, Charleston County EMS; Associate Professor of Emergency Medicine, Medical University of South Carolina, Charleston, SC

City of Cincinnati:
Dustin J. Calhoun, MD – Medical Director, Cincinnati Fire Department; Associate Professor of Emergency Medicine and Associate Director, Division of Emergency Medical Services, Department of Emergency Medicine, University of Cincinnati, Cincinnati, OH

City of Little Rock:
Charles F. Mason, MD – Medical Director, Little Rock Metropolitan Emergency Medical Services and Little Rock Fire Department/Police Department; Medical Director, North Little Rock Fire Department/Police Department, Maumelle Fire Department, Pulaski County Fire Department; Associate Professor, South Arkansas Community College, Little Rock, AR

City of St. Paul:
Ralph J. (RJ) Frascone, MD – Medical Director, St. Paul Fire Department EMS/Regions Hospital Emergency Medical Services; Professor, Department of Emergency Medicine, University of Minnesota Medical School, Minneapolis, MN

City of West Palm Beach:
Kenneth A. Scheppke, MD – Medical Director, City of West Palm Beach and Palm Beach County Fire Rescue; State of Florida EMS Medical Director; Florida Department of Health; Chair, Palm Beach County EMS Medical Directors Association, West Palm Beach, FL; Medical Director Palm Beach State College EMS Training Academy; Associate Medical Director, Broward Sheriff’s Office, Ft Lauderdale, FL

City of Salt Lake City:
Scott T. Youngquist, MD, MSc - Medical Director, Salt Lake City Fire Department, Associate Professor of Surgery, Division of Emergency Medicine, University of Utah School of Medicine, Salt Lake City, UT

OCONUS Metropolitan Municipalities EMS Medical Directors

City of London, United Kingdom
Dr. Fenella Wrigley – Medical Director, London Ambulance Service and Consultant in Emergency Medicine for Barts Health, NHS Trust, London, England, United Kingdom
Fionnà P. Moore, MBE, FRCS, FCEM, FIMC, RCS ed. Former Chief Executive Officer and Former Chief Medical Director, London Ambulance Service, London, England, United Kingdom

City of Auckland, New Zealand
B. Craig Ellis, MD – National Medical Advisor, St John’s Ambulance Service (New Zealand National EMS System), Auckland, New Zealand

City of Paris, France
Pierre A. Carli, MD – Medical Director, SAMU du Paris (Service d’Aide Médicale Urgente), the EMS system of Paris. Professor, University of Paris Descartes and University Hospital Necker, Paris, France
Lionel Lambaht, MD, PhD – Medical Director, SAMU du Paris (Service d’Aide Médicale Urgente), the EMS system of Paris. Associate Professor of Medicine, University of Paris Descartes and Chief, Adult Anesthesia and Intensive Care Units, University Hospital Necker, Paris, France

City of Berlin, Germany
Stefan Poloczek, MD, MPH – Medical Director, Berlin Fire Brigade, Berlin, Germany

City of Milano, Italy
Roberto Fumagalli, MD – Medical Director, Emergency Medical Agency AREU, Niguarda Hospital, Professor of Anesthesiology and Intensive Care, University Milan Bicocca, Milan, Italy

City of Hamburg, Germany
Godo Savinsky, MD – Medical Director, Hamburg Fire and Rescue Service (HFRS) and Head of the HFRS Emergency Paramedic Training School, Hamburg, Germany.

City of Honolulu:
Elizabeth A. (Libby) Char, MD – Chair, State of Hawaii Emergency Medical Services Advisory Committee; Medical Director for Honolulu Fire Department; Assistant Clinical Professor of Surgery, University of Hawaii School of Medicine, Honolulu, HI

City of Manchester, United Kingdom
David Ratcliffe, MD – Medical Director, Northwest Ambulance Service, National Health Service Trust; Clinical Lead for Urgent Care for Salford Primary Care Trust, Manchester, UK

City of Amsterdam, Netherlands
Kate Borkent, MD and Arjen Siegers, MD – Medical Directors, Amsterdam Ambulance Service, Ambulancezorg, Amsterdam, The Netherlands

City of Copenhagen, Denmark
Peter A. Berlac, MD, MHI - Medical Director, Copenhagen Ambulance Service / Region Hovedstaden, Copenhagen, Denmark

Federal Agency Medical Directors / Medical Officers

U.S. Department of Health and Human Services (DHHS):
Richard C. Hunt, MD – Senior Advisor for National Healthcare Preparedness Programs in the U.S. DHHS Office of the Assistant Secretary for Preparedness and Response (ASPR); Former Director of Medical Preparedness and Response Policy, National Security Council Staff (White House); Former Director, Division of Injury Response at the National Center for Injury Prevention and Control at the Centers for Disease Control and Prevention, and Past-President, National Association of EMS Physicians, Washington, DC

John L. Hick, MD – Advisor to the Director of the National Healthcare Preparedness Program, U.S. Department of Health and Human Services, Washington, DC. Medical Director for Emergency Preparedness, Hennepin County Medical Center and, formerly, the Office of Emergency Preparedness-Minnesota Department of Health; Professor of Emergency Medicine, University of Minnesota Medical School and Associate Medical Director for Hennepin County Emergency Medical Services, Advisor to the Director of the National Healthcare Preparedness Program, U.S. Department of Health and Human Services, Minneapolis, MN

U.S. Department of Transportation:
Jon R. Krohmer, MD – Director, Office of Emergency Medical Services (OEMS), National Highway Traffic Safety Administration (NHTSA); Former Deputy Assistant Secretary for Health Affairs and Deputy Chief Medical Officer for the Department of Homeland Security (DHS); Former Director, Health Services Corps for Immigration and Customs Enforcement at DHS; Past-President, National Association of EMS Physicians, Washington, DC

Federal Bureau of Investigation:
William P. Fabbri, MD – Medical Officer and Director, Emergency Medical Support Program, Federal Bureau of Investigation (FBI), Washington DC

United States Secret Service (U.S.S.S.) / U.S. Marshals:
Nelson Tang, MD – Medical Director, United States Secret Service, U.S. Marshals Service, Bureau of Alcohol, Tobacco, Firearms & Explosives and Senior Medical Advisor, Homeland Security Investigations (HSI); Associate Professor of Emergency Medicine and Chief Medical Officer, Center for Law Enforcement Medicine, The Johns Hopkins University, Baltimore, MD

Asa M. Margolis DO, MPH, MS – Deputy Medical Director, United States Secret Service (USSS); Program Director for the Emergency Medical Services Fellow and Assistant Professor in the Division of Special Operations at the Johns Hopkins University Department of Emergency Medicine; Medical Director, Johns Hopkins Lifeline Transportation Program, Baltimore, MD

ACEP-NAEMSP-NASEMSO:
Dean Wilkerson, JD, MBA, CAE – Executive Director, American College of Emergency Physicians (ACEP), Dallas (Irving) TX

Sandra M. Schneider, MD – Associate Executive Director, American College of Emergency Physicians (ACEP); Past National President for ACEP, the Society for Academic Emergency Medicine and the Association of Academic Chairs of Emergency Medicine, Dallas (Irving) TX

Rick Murray, EMT-P - Director of EMS and Disaster Preparedness at the American College of Emergency Physicians Dallas (Irving) TX

Debra G. Perina, MD – Professor and Prehospital Division Director, Department of Emergency Medicine University of Virginia, Charlottesville; Immediate Past Chair, American Board of Emergency Medicine (ABEM) EMS Examination Committee; Immediate Past Chair, American College of Emergency Physicians (ACEP) Board of Directors

Peter P. Taillac, MD – Medical Director, Utah Bureau of EMS and Preparedness, Utah Department of Health; Clinical Professor, Division of Emergency Medicine, University of Utah School of Medicine, Salt Lake City, UT

J. Brent Myers, MD, MPH – Immediate Past President, National Association of EMS Physicians (NAEMSP); Chief Medical Officer, ESO Solutions; Associate Medical Director, Wake County EMS, Raleigh, NC

Paul R. Hincheny, MD, MBA – Course Director, the National Association of EMS Physicians (NAEMSP) Advanced Topics in Medical Direction Workshop; Chief Strategy Officer, Boulder Community Health, Boulder, CO
Pamela Lane, MA -- Executive Director, National Association of Emergency Medical Technicians (NAEMT), Clinton, MS

Matt Zavadsky, MS-HSA, NREMT – President, National Association of Emergency Medical Technicians (NAEMT); Chief Strategic Integration Officer at MedStar Mobile Healthcare, Tarrant County, TX

Craig A. Manifold, DO -- Medical Director, National Association of Emergency Medical Technicians (NAEMT); Member of the Board, National Registry of EMTs (NREMT). Former Medical Director, City of San Antonio EMS; Past Chair, National EMS Committee, American College of Emergency Physicians (ACEP), San Antonio, TX

SPECIAL GUESTS / PANELISTS / PARTICIPANTS:

Remie P. Crowe, PhD -- National Coordinator, Alliance of p > 0.05 Practitioners, Austin, TX

Jeffrey L. Jarvis, MD, MS, EMT-P - Chair, EMS Medical Director Committee, Texas Governor’s Emergency and Trauma Advisory Committee (GETAC); Clinical Assistant Professor, Texas A&M College of Medicine; EMS Medical Director, Williamson County and Marble Falls Area EMS, Georgetown, TX

Mark A. Merlin, DO, EMT-P – Chair, New Jersey EMS Council; Chief Medical Officer and System Medical Director of Monmouth Ocean Hospital Service Corporation (MONOC) Advanced Life Support System; Program Director of the New Jersey EMS Fellowship and Vice Chair, Emergency Medicine at Newark Beth Israel Medical Center/Robert Wood Johnson Barnabas Health System, Newark, NJ

Charles J. Lick, MD – Medical Director, Allina Health EMS; Chair, Board of Directors, Take Heart America, St. Paul, MN

W. Nim Kidd, CEM, TEM – Chair, Texas Division of Emergency Management; Assistant Director, Texas Department of Public Safety, Austin, TX

Charles P. Burnell, MD - Vice President and Lead Medical Director, Acadian Ambulance Service, Lafayette, LA

Emily G. Kidd, MD –Texas Medical Director, Acadian Companies, Lafayette, LA

Ashley Voss-Liebig, RN, BSN, CCRN -- Division Chief, Clinical Performance and Education, Travis County Emergency Medical Services, Travis County, Texas, USA

Jeffrey J. Clawson, MD - Chair, Standards Council Rules Committee & Board of Trustees, International Academies of Emergency Dispatch; Medical Director – Research & Standards, Priority Dispatch Corp., Salt Lake City, UT

Karl A. Sporer, MD - EMS Medical Director, Alameda County EMS Agency, Oakland, CA; Clinical Professor, Department of Emergency Medicine, University of California, San Francisco, CA

Andrew L. Garrett, MD, MPH – Former Senior Medical Advisor, U.S. DHHS Office of the Assistant Secretary for Preparedness and Response (ASPR); Former Director and Deputy Chief Medical Officer, National Disaster Medical Service; Former Director for Medical and Biodefense Preparedness Policy, National Security Council Staff (White House); Assistant Professor of Preventive Medicine and Biometrics at the Uniformed Services University of the Health Sciences, Washington, DC

James J. Augustine, MD - Metropolitan Medical Directors Coalition Executive Librarian; Medical Director, Hapeville Fire Rescue Department; Member, Board of Directors, American College of Emergency Physicians (ACEP); Clinical Professor, Department of Emergency Medicine, Wright State University, Dayton, OH

John B. Holcomb, MD – Retired Colonel, U.S. Army and Former Commander of the U.S. Army Institute of Surgical Research and Trauma Consultant for the Army Surgeon General; Immediate Past Vice Chair and Professor, Department of Surgery and Director of the Center for Translational Injury Research Center at the University of Texas Health Sciences Center, Houston TX

Peter M. Antevy, MD – President, Greater Broward EMS Medical Directors’ Association (GBEMDA); EMS Medical Director for Davie Fire Rescue, Coral Springs/Parkland Fire Department, and Southwest Ranches Fire Rescue (Broward County, Florida); Associate Medical Director for Palm Beach County and Seminole Tribe Fire-Rescue Departments; Medical Director, Coral Springs Regional Institute of Public Safety and Broward College EMS Division; Associate Professor of Pediatrics at Florida Atlantic University, Boca Raton; and Attending Physician, Joe DiMaggio Children’s Hospital, Hollywood, FL

Edward M. Racht, MD – Chief Medical Officer, American Medical Response, Austin, TX

Raymond L. Fowler, MD – The First Eagle; Past-President and Co-Founder, National Association of EMS Physicians; Inaugural National Program Director, International Trauma Life Support©; Professor of Emergency Medicine, Chief, Division of Emergency Medical Services and First Holder of the James M. Atkins Professorship in Emergency Medical Services, University of Texas Southwestern Medical Center and the Parkland Health and Hospital System; Dallas, TX

Program Host and Coalition Coordinator

Paul E. Pepe, MD, MPH