

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

7:35am – Course Overview and Philosophy, including a Sir Luke Fildes Moment

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 Quinella's in! With a Pentamorous Pentathlon of Nickel-back High Fives (using Pent-Up Pentacles and a Whole Lotta Funf), 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:

Fractionating the All-Too-Frequent Frequency of Peri-Intubation Hypoxia

Jeffrey L. Jarvis, MD (GETAC)

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. Pruet, 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)

10:10-10:15am An Aspiring New Aspiration from ASPR: *The 2019 U.S. DHHS Roadmap for MCI Triage*

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)
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- 10:50-11:10am 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)
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- 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)
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- 11:20-11:50am **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
Ron J. Anderson and Paul E. Pepe Awards
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. Persse, 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 Jui, MD, MPH (Portland)
K. Sophia Dyer, MD (Boston)
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- 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)
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- 2:55-3:10pm Placing Our Troops into Protective Custody:
When the EMS Providers are Victims of Violence
C. Crawford Mechem, MD (Philadelphia)

Occupational Hazard Pay-Off: *EMS Wellness Experiences in the Motor City*
Robert B. Dunne, MD (Detroit)

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 Isaacs, MD (Dallas) & Fiona 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)

5:30 pm -- ADJOURNMENT of DAY ONE

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. Slovis, 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?*

Scott T. Youngquist, MD (Salt Lake City)
Shadow-Boxing with the Dead or Dying:
Is POC Ultrasound Helpful or Problematic in OOHCA?
J. Joelle Donofrio, DO (San Diego)

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)

9:30-9:35am Automation Conflagration:
Why Mechanical CPR Can Be Difficult to Prove -- But Likely to Be Useful
Michael K. Levy, MD (Anchorage)

9:35-9:55am 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 (Ψ) 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: *Ψ 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 – **रै**
Significant Cultural, Logistical & Clinical Demand Differences Faced by Sub-Continental EMS Teams
Marc A. Gautreau, MD (San Jose)
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- 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*
Godó Savinsky, MD (Hamburg)
- 1:55-2:00pm Getting There ASAP: *Mini-Ambulances for Major Incidents*
Glenn H. Asaeda, MD (New York City)
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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)
- Off-Site Sightings: *Using Telemedicine to Cover for Subspecialty Shortcomings*
Stefan Poloczek, MD, MPH (Berlin)
- 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:

- 2:45-2:55pm 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
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- 3:15-3:45pm 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. Vithalani, 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

City of Boston:

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. Slattery, 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 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 Minneapolis Medical School, Minneapolis, MN

City of St. Louis:

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City of Anchorage:

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City of West Palm Beach:

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OCONUS Metropolitan Municipalities EMS Medical Directors

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City of Milano, Italy

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City of Hamburg, Germany

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City of Honolulu:

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City of Manchester, United Kingdom

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City of Amsterdam, Netherlands

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City of Copenhagen, Denmark

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Federal Agency Medical Directors / Medical Officers

U.S. Department of Health and Human Services (DHHS):

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Federal Bureau of Investigation:

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

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NAEMT

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