Welcome,

I’m pleased that you have decided to attend this year’s annual Twin Cities EMS Conference. We have strived to bring you an array of interesting topics presented by renowned experts in their fields. As pre-hospital medicine continues to evolve, one thing that remains the same is our pursuit of the latest research and education to aid us in providing the highest quality care to our patients. It is our endeavor with this conference to provide that knowledge.

I would like to thank those involved with the planning and implementation of this event. Without their hard work and dedication to excellence, none of this would have been possible. Throughout the day when you see one of our conference staff or volunteers, please take a moment to thank them.

Again, thank you in advance for your participation.

Sincerely,

Keith Wesley, MD
Medical Director
HealthEast Medical Transportation
ROGER E. SHELDON, MD is Emeritus Professor of Pediatrics in the Neonatal Perinatal Medicine Division and held the role of Assistant Dean for Continuing Medical Education at the Oklahoma University College of Medicine. He has a long distinguished resume that includes a variety of appointments, honors, research, and publications.

PETER TANIGHE, MD is a board-certified emergency physician. He also serves as medical director for HealthEast Education and peer review, medical director for the HealthEast community paramedicine program, medical director for Maplewood Fire/EMS and associate medical director for HealthEast Medical Transportation.

SCOTT TOMEK, MA has been in EMS for 31 years and currently serves as the manager of Quality, Safety and Risk at Allina Health EMS. He is a clinical skills instructor with the Emergency Medicine program at the University of Minnesota Medical School. Scott serves as a paramedic with Woodbury Public Safety.

KEITH WESLEY, MD, FACEP is a board certified emergency physician and EMS Medical Director for HealthEast Medical Transportation in St. Paul, MN. He has served as State EMS Medical Director for both Minnesota and Wisconsin, and Chair of the National Council of State EMS Medical Directors. Dr. Wesley is the author of many articles and EMS textbooks and a frequent speaker at EMS conferences across the nation.

DEMETRIS YANNOPOULOS, MD is an Interventional Cardiologist at the University of Minnesota Medical Center with board certifications in Internal Medicine, Cardiovascular Medicine, and Interventional Cardiology. He is an Associate Professor of Medicine at the University of Minnesota. Dr. Yannopoulos has conducted studies in the areas of cardiopulmonary resuscitation, hypovolemic shock, and hypothermia.
Advances in Cardiac Arrest Care
Demetris Yannopoulos, MD
Dr. Yannopoulos will speak about the current AHA guidelines, the evolution of CPR, and the science behind that evolution. He will also discuss the current recommended BLS changes, and how all of these changes are taking place.

Acute Stroke Code: Cutting Edge Diagnosis and Treatment in 2014
Paul Schanfield, MD
Since the milestone publication in 2000 by the Brain Attack Coalition on the creation of Primary Stroke Centers, our understanding of what comprises the best stroke care has advanced tremendously. Dr. Schanfield will discuss best practices as we know them in 2014 and the contribution of EMS to these best practices.

Suicide in EMS
Chris Caulkins, MPH, NRP
Join Chris as he talks about the physiology of mental illness and how this disease has forever impacted his family.

Resuscitating, Stabilizing and Transporting a Newborn
Roger Sheldon, MD
Understanding how to access a baby at arrival, stabilization before transport and appropriate transport techniques in situations that could require a code red. Plus special considerations when the patient is a preemie - fragile skin, bruising, size issues, may need surfactant, oxygen toxicity, need for IV glucose, etc.

Airway! Thank God It’s Just a Lecture
Peter Tanghe, MD
Airway management is a serious undertaking for any emergency care provider. In this lecture we will discuss current approaches to airway management, including BLS skills, drugs to facilitate airway management (DFAM), airway adjuncts, video laryngoscopy and best practices with communication and cognitive tools.

Mistakes, Why They Happen: Our Psychological and Physiological Response to Dynamic, High-stress Novel Environments
Scott Tomek, MA
When we hear that an EMS provider has made a mistake, our first reaction is often, “They did what?” Frequently the response is to discipline, educate, or both. Neither tactic used independently or in tandem will correct the underlying issue, because mistakes are unintentional. This discussion pulls from the fields of Cognitive Psychology, Sociology, the Military, Sports Science, and Educational Research. Leaders will learn to distinguish between which behavior constitutes slips, lapses, or mistakes and which behavior is reckless. Providers will learn why their last mistake happened and why their call did not go quite as planned. As a group we will discuss how to best prepare ourselves and our EMS teams for the high-stress, dynamic, and novel environment in which EMS operates.

STEMI Mimics and Other Challenging 12-leads
Mary Gruber, MSN, APRN, AGCNS-BC
This discussion includes 12-Lead ECGs with bundle-branch blocks, pericarditis, tachycardias, and unstable angina. Also included are 12-Leads that meet STEMI criteria for emergent cardiovascular catheterization lab activation.

Stork Detail:
Managing Prehospital Deliveries
Robert Ball, B.A., EMT-P
“Woman In Labor.” Few other calls cause more intimidation in the EMS provider. In this presentation, Mr. Ball will discuss the common—and not so common aspects of prehospital obstetric emergencies, and how to manage them effectively and without fear.

Hostile Event Response and Situational Awareness in EMS
Katie Ruesink
We were always taught in school, “BSI...scene safe.” You arrive on the scene of a school shooting. You have little or no information. An officer grabs you by your belt, screaming that you have to follow him into that school. Ambulance personnel have traditionally waited until the scene was “safe.” War and an increase in domestic violence have taught us that time is the biggest enemy in these mass violent events, and that we must take calculated risks to save lives. In this lecture we will discuss situational awareness, tactical approach concepts, and the ballet that is unified command and multi-agency cooperation.

No More Backboarding!
Let the Torture End
Keith Wesley, MD, FACEP
All splints should conform to the patient and not the other way around. But that has not stopped us from strapping an S shaped spine to a flat piece of plywood. Research now indicates that routinely backboarding all trauma patients’ results in unnecessary pain and potentially devastating injuries. Dr. Wesley will review the current literature and professional organization position statements to demonstrate that there are better ways to care for these patients.
# Conference Agenda

<table>
<thead>
<tr>
<th>Times</th>
<th>Session</th>
<th>Speaker(s)</th>
<th>Room/FA</th>
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<tbody>
<tr>
<td>8:30 am-9:00 am</td>
<td>Welcome</td>
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<tr>
<td>9:00 am-10:00 am</td>
<td>Advances in Cardiac Arrest Care</td>
<td>Demetris Yannopoulos, MD</td>
<td>FA 110</td>
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<tr>
<td>10:15 am-11:15 am</td>
<td>Acute Stroke Code</td>
<td>Paul Schanfield, MD</td>
<td>FA 190</td>
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<td>FA 194</td>
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<tr>
<td>11:30 am-12:30 pm</td>
<td>Resuscitating, Stabilizing and Transporting a Newborn</td>
<td>Roger Sheldon, MD</td>
<td>FA 190</td>
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<td>Peter Tanghe, MD</td>
<td>FA 194</td>
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<td>1:30 pm-2:30 pm</td>
<td>Mistakes, Why They Happen</td>
<td>Scott Tomek, MA</td>
<td>FA 190</td>
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<td>Mary Gruber, MSN, APRN, AGCNS-BC</td>
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<td>2:45 pm-3:45 pm</td>
<td>Stork Detail</td>
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<td>Keith Wesley, MD, FACEP</td>
<td>FA 110</td>
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**NOTE:** Each session is worth 1.0 CEU.
Inver Hills Community College
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