

Care of The Transgender Population in a Medical Crisis: Dan Shumer MD

The prevalence of people identifying as transgender has increased and all health care providers are likely to care for transgender patients, including in emergency and critical situations. The participants will learn how to engage with transgender patients, and appreciate how transition may impact care. The speaker will address issues regarding inclusive systems of care that correctly identify and integrate information about transgender patients into the HER and account for the unique needs of these patients within the health care environment.

Neonatal Tachypnea: What could it be? Jeff Thomas RN

When a baby presents to the ER or ICU with Tachypnea what are your differentials? The speaker will explore possible causes of neonatal tachypnea broken down into 4 fifteen minute sessions exploring cardiac, respiratory, sepsis and miscellaneous.

Common Complaints: Uncommon outcome: Elaine Pomeranz MD

There are literally thousands of diseases that affect humans, and most of us pick up some kind of ailment once or twice a year. Childhood diseases like measles, mumps and chicken pox are common, as is the odd cold or bout of flu. These conditions are generally accepted as part of life as they are seldom deadly. However, sometimes these diseases take a deadly turn.

Forensic Pathology: Warner Spitz MD

Utilizing case reviews, extensive photos of injury and death scenes, Dr Spitz will explain the correlation between external injury and internal injury patterns. He will detail how fatal injuries occur and how injuries can be missed in the primary survey. He will highlight commonly missed complications that lead to death.

Emergency Burn Triage and Management: Chris Wagner RN

The Burn Mass Casualty Incident (BMCI) Surge Plan has been developed in an effort to expand the ability to provide burn care, to safeguard and prioritize the utilization of limited resources. The Michigan Department of Health and Human Services (MDHHS) recognizes that no one has the capability to meet the identified increased capacity needs of a significant incident involving large numbers of burn patients. The speaker will outline the provision of stabilizing care for burn patients in facilities that are not normally associated with providing definitive care to burn patients.

Acute Flaccid Myelitis: Jeffery Weatherhead MD

Acute flaccid myelitis (AFM) is a rare but serious condition. It affects the nervous system, specifically the area of the spinal cord called gray matter, which causes the muscles and reflexes in the body to become weak. This condition is not new. However,

the large number of AFM cases reported since 2014, when the CDC first started its surveillance for this condition, is new. The risk of getting AFM varies by age and year. We have seen increases in AFM cases every two years since 2014 and mostly in young children. Since 2014, most patients (more than 90%) had a mild respiratory illness or fever consistent with a viral infection before they developed AFM.

Survival Flight Case Pediatric Case Presentations: Mark J Lowell

The Survival Flight medical director will present recent interesting cases transported by the flight crew and explore the pathophysiology and disease progression. This case will review a complex metabolic issue with intense critical care management in transport.

ABC's of ABG's: Alyssa Diroff RN

A guide to interpreting acid-base disorders on the arterial blood gas. Acid-base pathophysiology can be separated into metabolic or respiratory acidosis and alkalosis, as well as those disturbances that are compensated. This presentation provides participants with a stepwise approach for assessing ABGs, as well as offering actual case examples to familiarize the reader with the concepts of acid-base disorders. By the completion, the reader will have the tools necessary to assess any ABG that may be encountered in clinical practice.

TED'S TALK: Ted Adelman RN

Ted Adelman, flight nurse and respiratory therapist will explore noninvasive ventilation (NIV) tools that decrease work of breathing, increase comfort and improve outcomes. CPAP/BiPAP. High-flow nasal cannula etc. Tips for NIV titration, pitfalls and successes. He will also build on the ABC's of ABG presentation and discuss how to correct imbalances utilizing ventilation techniques.

Active Shooter Preparedness: Jon Wieneke

Unfortunately, the scenario of an active shooter is playing out more and more frequently in places such as movie theaters, shopping malls, and hospitals. Participants will learn historical information regarding active shooter events around the country as well as the importance of situational awareness, how to protect yourself, and how to defend yourself if necessary from an experienced police officer and tactical SWAT commander.

Mass Casualty: Gail Annich MD

When people hear the term mass casualty, they often think of natural disasters or explosions. But would you know what to do if you were faced with a mass casualty situation in a hospital, movie theater, or even your church. This lecture will provide a general overview of mass casualty concepts and will be followed by table-top discussions in smaller groups where people can work in teams to put concepts into practice.

Avoiding Burn Out: Emma Walshe LPC

How do clinicians manage the stress of today's health care environment where things like short staffing and mandatory overtime are becoming as common place as death and dying? The answer is not very well as evidenced by the increasing rates of burnout among health care providers. Participants will learn warning signs of burnout, available resources, and the importance of debriefing exercised from a counselor with the Office of Counseling and Workplace Resilience who has worked closely with hospital staff as well as EMS personnel.

Opiate Update Revisited: Tina Brent MD

A follow up to last year's presentation addressing the impact of the new narcotic rules on both hospital and EMS. Explore alternative treatment options for pain and narcotic abuse.

Survival Flight Adult Case Presentation: Ben Bassin

One of the Survival Flight medical director's will present recent interesting cases transported by the flight crew and explore the pathophysiology and disease progression. The content are case reviews, possibly ICU, ER or accident scenes, that posed challenges or interesting situations for the crews.