

## KEYNOTE PRESENTATIONS

### Frontiers in Interventional Cardiology: What's Here and What's Coming? (ALS-73/BLS-05)

**Instructor: Michael Ragosta, MD**

Engaging keynote series, which will review the relevant anatomy and physiology of the heart to allow the learner to understand new technology in the cardiac cath. lab. Several new interventional techniques and devices will be described including atrial appendage occlusion devices to prevent stroke, approaches to treatment of chronic total occlusion, percutaneous treatment of valvular heart disease, and percutaneous support devices.

### EMS Beyond the Street: Donation and Transplantation (ALS-72/BLS-05)

**Instructor: Timothy J. Snyder, CPTC**

Intriguing lecture series focusing on the organ retrieval and transplantation process. Participants will identify how pre-hospital/emergency care impacts the success of retrieval and transplantation when it is evident that all life-saving measures have been exhausted.

### The Bleeding Edge: Advances in Trauma Care During the First 24 Hours After Injury (ALS-78/BLS-02)

**Instructor: James Calland, MD**

Vitalizing presentation discussing basic concepts of thromb-elastography (TEG) and damage control resuscitation. This lecture series will also inform participants on recent advances in applying "expert systems" to the task of patient monitoring as well as utilizing the Virginia Trauma Triage Algorithm for appropriate notification/decision making.

## GENERAL SESSION "A"

### \* Critical Care Tract

#### \*Introduction to Mechanical Ventilation (ALS-71/BLS-03)

**Instructor: Jermaine Clayborne, RN**

Focusing on a systematic approach to mechanical ventilation, this lecture will also have participants to troubleshooting those pesky alarms. Mechanical ventilation monitoring parameters and their applicability to patient care will be also be discussed.

#### Quick ECGs that can Kill (ALS-88/BLS-05)

**Instructor: William Brady, MD**

This dynamic lecture will focus on common high-risk ECGs in regards to interpretation, application, and treatment plans. Dr. Brady brings the most recent evidence based practice in an interactive lecture series that will broaden participants understanding of high risk ECGs.

#### Traumatic Brain Injury (ALS-79/BLS-04)

**Instructor: George Lindbeck, MD**

This presentation will focus on the anatomy and physiology of traumatic brain injury. Emphasis will be given to early recognition and management of brain injury, from mild (concussive) injury through severe brain injury, and to the impact of optimal pre-hospital/emergency care on the outcome of the patient with severe brain injury.

#### Deadly Envenomations (ALS-75/BLS-05)

**Instructor: Nathan Charlton, MD**

A captivating lecture series from UVAHS Dr. Charlton will have participants up to date with the current evidence based practice on the recognition, assessment, treatment modalities, and understanding the use of anti-venom for these slithery creatures!

## GENERAL SESSION "B"

### \* Critical Care Tract

#### \*Recognizing and Treating Toxic Syndromes: A Tool for Rapid Clinical Decision -Making (ALS-76/BLS-06)

**Instructor: Mark A. Kirk, MD**

This informative and dynamic lecture brings awareness to recognizing toxic syndromes that occur after exposure to substances of abuse, pharmaceuticals, toxic industrial chemicals, and chemical warfare agents. An introduction to an on-line decision support tool "CHEMM-IST" will discuss how to employ using case scenarios.

#### Chemical Sedation: Necessary but Dangerous (ALS-92/BLS-07)

**Instructor: Greg Cassis, NRP**

Chemical restraint has increasingly become part of the standard protocol for any EMS agency and ER, but there is nothing standard about the procedure. Using chemical restraint requires knowledge in several areas that the standard curriculum may not provide, including psychiatric evaluation and unique patient consent issues. Find out what medics and nurses need to know about this procedure, including the underlying medicine, the various protocols and the potential liability involved in performing these procedures.

#### Recognition and Management of Sepsis in the Pre-hospital Setting (ALS-89/BLS-05)

**Instructor: Debra Perina, MD**

Interactive audience participation of case reviews will promote recognition of SIRS, early sepsis, late sepsis, and the current goal directed therapy in a renewed Sepsis lecture.

#### Don't Die on Me: Stress Management in Emergency Response (ALS-89/BLS-05)

**Instructor: Dana Racette, RN, NRP**

This presentation affirms the stressors in emergent situations in which healthcare providers face too often, with an organized approach to identify and mediate them.

## GENERAL SESSION "C"

### \* Critical Care Tract

#### \*Dysmorphic Infants: Genetic Anomalies Affecting Transport Care (ALS-85/BLS-08)

**Instructor: Alix Paget-Brown, MD**

Informative lecture series from one of UVAHS Attending Neonatologist focusing on the ability to help distinguish normal variation from dysmorphic features and to develop an approach for syndrome recognition. Trisomy 13,18,21, and DeGeorge are a few anomalies that will be discussed. A focus on systematic approach to appropriately managing the airways in these populations will be addressed.

#### Managing Ventricular Assist Device Patients (ALS-74/BLS-05)

**Instructor: Carole Ballew, RN**

With the advancement of the current LVADs today, more patients are in our community are relying on this state of the art equipment. This lecture takes a simplistic and organized approach to why such a device is needed, to the assessment and treatment of LVAD patients. Demonstration of VAD functions, and opportunity to hold the actual VAD system, which will allow participants to experience this state of the art heart failure treatment.

#### Permissive Hypotension in Trauma Patients (ALS-83/BLS-04)

**Instructor: Michael D. Berg, NRP**

Participants will understand the history of trauma care, fluid resuscitation, current practices, and treatment modalities in pre-hospital/emergency care for the trauma patient. Explanation to the science behind permissive hypotension and its applicability to current practice will also be addressed.

#### Non-Invasive Ventilatory Management (ALS-88/BLS-03)

**Instructor: Andrew Fletcher, RN, NRP**

Back to the basics, this lecture series will focus on all aspects of the practical day-to-day use of NIV and CPAP, including settings, troubleshooting and monitoring. Incorporated is a hand on demonstration to promote better understanding and systematic approach to NIV.

## SCHEDULE

0700 - 0800	Registration
0800 - 0815	Opening Remarks, Robert Cofield, DrPH
0815 - 0915	Michael Ragosta
0925 - 1025	General Sessions
1025 - 1045	BREAK
1045 - 1145	General Sessions
1145 - 1245	LUNCH
1250 - 1350	Timothy Snyder
1400 - 1500	General Sessions
1500 - 1520	BREAK
1520 - 1545	Plaque Presentation by UVA Pegasus Team
1545 - 1645	James Calland
1645 - 1700	Closing Comments/ Wrap-up

## REGISTRATION AND FEES

We are pleased to provide you with an interesting program, lunch and snacks for just \$40.00. Please register early. The first 200 registrations will receive a commemorative T-shirt. The deadline for registration is April 3, 2015.

This year registration is online only.

Go to [www.UVAPegasus.com](http://www.UVAPegasus.com)

Registration will be accepted at the door. However, commemorative T-shirts may not be available.

For Registration questions:

Contact Shawn Reid at [SMR8K@virginia.edu](mailto:SMR8K@virginia.edu)

## CANCELLATIONS

Cancellations received after April 3, 2015 will result in forfeiture of all registration fees. Substitutions will be accepted although certificates may not be available.

*The staff of Pegasus is proud to present Critical Response '15. This is the 23rd annual conference hosted by Pegasus. We would like to thank our guest speakers who have so graciously volunteered their time and talents.*



UVA-Pegasus Medical Transport Network  
3852 Dickerson Road, Suite 200  
Charlottesville, VA 22911  
PH: 434.297.7081



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