## **KEYNOTE PRESENTATIONS**

#### When to Hurry and When Not To (Area 02,78) Jeffrey Young, MD

There are certain clinical scenarios where rapid transport to definitive care is imperative. This presentation will review indications for rapid extrication and transport. The discussion will describe the survivability of high risk injuries including those with massive hemorrhage. Actual case studies will be used to emphasize key teaching points.

#### The Approach and Management to the Poisoned Patient (Area 05, 76) Christopher P. Holstege, MD

This presentation will outline a systematic approach to caring for the poisoned patient. Appropriate management of the poisoned patient will prevent complications from occurring. This talk will use case studies to illustrate teaching points such as determining the poisoning agent, physical exam of the patient, and appropriate treatment.

# An Evidence Based Approach for Integration of New Equipment and Procedures in EMS (Cat 2)

Debra G. Perina, MD

Implementation of new equipment and procedures into an emergency medical services (EMS) program can be costly, time-consuming, and have a variable cost to benefit ratio. This presentation will describe methods for utilizing evidence based research in the decision making process. Specific examples will be used to illustrate how equipment and procedures have been evaluated and introduced into EMS programs.

## **GENERAL SESSIONS**

# Pancreatic Trauma: The Other Abdominal Injury (Area 04, 82) Ann Smith, RN, MSN, FNP, NREMT-P

This presentation will focus on blunt force injury of the pancreas and its treatment. Pancreatic injuries are often overlooked due to the frequency of injuries to other abdominal organs. This lecture will review anatomy of the pancreas, common mechanisms of injury, diagnosis of injury, and appropriate treatment.

# Acute Stroke Evaluation: A "VAST" Opportunity for Improvement (Area 05, 89) Nina J. Solenski, MD

Timely treatment of the patient showing signs and symptoms of stroke is critical in improving clinical outcomes. This presentation will review pathophysiology of various types of stroke, acute stroke evaluation, current means of treating stroke including neurointerventional procedures and telemedicine initiatives. Case studies will be used to underscore the difference emergency medical services (EMS) can make in patient outcomes.

## Pediatric Dysrhythmias (Critical Care Tract) (Area 08, 86) William Brady, MD

Dysrhythmias in the pediatric population can range from the benign to life-threatening. This presentation will review tachycardic and bradycardic arrhythmias. Discussion will involve clinical presentation, analysis of the electrocardiogram (EKG), and treatment for various dysrhythmias. Key concepts for analyzing the EKG will be discussed. Case studies will be reviewed.

## Pediatric Patient Assessment (Area 08, 86) James A. Brady, NREMT-P, CCEMT-P

This presentation is designed to make caring for the pediatric patient less intimidating by utilizing a systematic approach. The lecture will emphasize techniques such as the pediatric assessment triangle (PAT) during assessment of the pediatric patient. Discussion will include airway and circulatory issues.

#### Alphabet Soup: ECO? TDO? (Area 07, 89)

Sabina Braithwaite, MD, FACEP

The presentation will define the Emergency Custody Order (ECO) and the Temporary Detention Order (TDO). This talk will describe the criteria and process that must be followed to obtain an ECO or TDO within the Commonwealth of Virginia. Case studies will be used to illustrate the use of the ECO/TDO with medical and psychiatric patients. Emphasis will be placed on required documentation for these challenging cases.

Anaphylaxis and Allergic Reactions (Area 07, 75)

#### Nathan Charlton, MD

This presentation will differentiate between an allergic reaction and anaphylaxis. Common causes of allergic reactions will be identified. The pathophysiology of allergic reactions and anaphylaxis will be described. Discussion will also focus on signs and symptoms, treatment, and clinical pitfalls of the patient having an allergic or anaphylactic reaction.

### Myasthenia Gravis (Critical Care Tract) (Area 03, 88) Sarah Howard, RN

This presentation will describe the pathophysiology of myasthenia gravis and its causes. This talk will review populations who are at risk, clinical presentation, and current treatment modalities. Discussion will also focus on differentiating between the patient having a stroke versus the patient having a myasthenic crisis.

#### Fits and Spells (Area 05, 89) J. Stephen Huff, MD

The presentation will describe the clinical signs and symptoms that differentiate syncope and seizures. The lecture will identify key historical factors that have contributed to our understanding of the pathophysiology of syncope and seizures. Discussion will address clinical presentation, physical examination of the patient, and current management strategies.

# STEMI and Heart Failure Boot Camp 2010: What's New in the Pre-hospital Environment (Area 05, 73)

David R. Burt, MD

This presentation will describe the importance of ST elevation myocardial infarction (STEMI) recognition and the integration of emergency medical services into the STEMI care continuum. The pathophysiology of STEMI and heart failure will be reviewed. The lecture will describe the medical management of STEMI and identify treatment options for decompensated heart failure. Case studies will be utilized to illustrate clinical scenarios.

#### Near Drowning and Accidental Hypothermia (Area 05, 77) E. Catherine Cleaveland, MD

This presentation will describe the pathophysiology associated with near drowning. Discussion will address factors that affect outcomes such as hypothermia. The lecture will also explore prevention of drowning, concomitant injuries, patient assessment, stabilization, and treatment.

# What to Do When Your Patient Is "Mostly Dead" (Critical Care Tract) (Area 05, 72)

## Robert K. Knox. RN, MSN, NREMT-P

The initial assessment and rapid management of the critically ill patient can be very challenging. This presentation will focus on patient assessment and interventions to stabilize the pulmonary and cardiac status of the critical patient. Several case studies will be presented to illustrate management strategies for various shock states.

# Managing the Other Breathing Tube (Area 03, 71) Marc Winstead, BS, RRT, EMT-P

This presentation will describe management strategies for the patient with a tracheostomy. Discussion topics include the types of tracheostomies, indications for placement, utilization of airway adjuncts, and complications.

## **SPEAKERS**

James A. Brady, NREMT-P, CCEMT-P
Captain, Training Division, Albemarle County Department of Fire Rescue

William J. Brady Jr., MD
Professor of Emergency Medicine and Internal Medicine
Vice Chair, Department of Emergency Medicine, UVA Health System

Sabina Braithwaite, MD, FACEP

Associate Professor, Department of Emergency Medicine, UVA Health System

David R. Burt, MD Assistant Professor, Department of Emergency Medicine, UVA Health System

Nathan Charlton, MD Assistant Professor, Department of Emergency Medicine Director, Wilderness Medical Education, UVA Health System

E. Catherine Cleaveland, MD Fellow, Emergency Medical Services Department of Emergency Medicine, UVA Health System

Christopher P. Holstege, MD
Associate Professor, Department of Emergency Medicine
Director, Division of Medical Toxicology, UVA Health System

Sarah M. Howard, RN, BSN Flight Nurse, Pegasus, UVA Health System

J. Stephen Huff, MD Associate Professor of Emergency Medicine and Neurology, UVA Health System

Robert K. Knox, RN, MSN, NREMT-P Flight Nurse, Pegasus, UVA Health System

Debra G. Perina, MD
Associate Professor, Department of Emergency Medicine
Director, Prehospital Care Division, UVA Health System

Nina J. Solenski, MD, FAHA Associate Professor of Neurology Director, Stroke Outreach, UVA Primary Stroke Center

Ann U. Smith, RN, MSN, FNP, NREMT-P Interim Dean, Division of Math, Science, and Human Services Piedmont Virginia Community College

Marc Winstead, BS, RRT, EMT-P Coordinator, Emergency Preparedness and Response, UVA Health System

Jeffrey S. Young, MD, FACS Professor of Surgery, Director, Trauma Center , UVA Health System

# SCHEDULE

0700 - 0800	Registration
0800 - 0900	Jeff Young, When to Hurry and When Not to
0910 - 1010	General Sessions
1010 - 1030	BREAK
1030 - 1130	General Sessions
1130 - 1230	LUNCH
1230 - 1330	Christopher Holstege, The Approach and Management
	to the Poisoned Patient
1340 - 1440	General Sessions
1440 - 1500	BREAK
1500 - 1600	Debra Perina, An Evidence Based Approach for Integra
	tion of New Equipment and Procedures in EMS
1600 - 1615	Wrap-up and Closing Remarks
1130 - 1230 1230 - 1330 1340 - 1440 1440 - 1500 1500 - 1600	LUNCH Christopher Holstege, The Approach and Management to the Poisoned Patient General Sessions BREAK Debra Perina, An Evidence Based Approach for Integra

**CRITICAL RESPONSE '10** 



## **REGISTRATION AND FEES**

Registration is limited to 400 participants. We are pleased to provide you with an interesting program, lunch, snacks, a commemorative T-shirt. for just \$35.00. Please register early. The deadline for registration is February 19, 2009.



## **Directions**

## From points north of Charlottesville,

Travel on 29 South toward Charlottesville. Continue on 29 South Business past the exit for the 29/250 Bypass. Just past the signal at Wise Street, follow event signs to available parking.

## From points east, south or west of Charlottesville,

Travel on Interstate 64 toward Charlottesville. Exit onto Route 29 North at Exit 118B. Take 3rd exit onto Leonard Sandridge Road. Follow event signs to available parking.

## **CANCELLATIONS**

Cancellations received after February 12, 2010 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 '10. This is the 18th annual conference hosted by Pegasus. We would like to thank our guest speakers who have so graciously volunteered their time and talents.

**Nursing and Pre-Hospital Continuing Education** Credit Hours have been applied for from the Air and Surface Transport Nurses Association and the Virginia Office of Emergency Services.



This brochure can be downloaded from the educational section of the Pegasus website at

# Gritigal '10 Response FEBRUARY 27, 2010 JOHN PAUL JONES ARENA CHARLOTTESVILLE, VA

# CRITICAL RESPONSE 2010 FEBRUARY 27, 2010 ALS and BLS CEU

		CAT	ALS	BLS
Debra Perina MD:	Evidenced Based Approach	2	-	-
Jeffrey Young MD:	"When to Hurry, and When Not To" Rapid Trauma Assessment	1	78	02
Christopher Holstege MD:	The Approach and Management to the Poisoned Patient	1	76	05
Steve Huff MD:	"Fits and Spells" (Seizure)	1	89	05
Nina Solenski MD:	Prehospital Stroke Recognition & Management	1	89	05
David Burt MD:	Latest Advances in the Treatment of Heart Failure and Acute MI	1	73	05
Sabina Braithwaite MD:	Prehospital ECO-How it is done	1	89	07
Catherine Cleveland MD:	Near Drowning	1	77	05
Nathan Charlton MD:	Anaphylaxis/Allergic Reaction	1	75	05
James Brady NREMT-P:	Pediatric Assessment	1	86	08
Ann Smith RN/NREMT-P:	Pancreatic Trauma- Abdominal Trauma	1	82	04
Marc Winstead NREMT-P:	Airway Management of trachea tubes	1	71	03
Robert Knox RN/NREMT-P:	The Resuscitation Phase*	1	72	05
Bill Brady MD:	Pediatric Dysrythmias/Case Studies*	1	86	08
Sarah Howard RN:	Myasthenia Gravis*	1	88	03

The last three classes below the line and with the asterisk are reserved for NREMT-P, CCEMTP, RN and Physicians. These classes are intended to be at the level of critical care.

# **CRITICAL RESPONSE '10 REGISTRATION FORM**

Name:								
Mailing Address:								
City:Sta			Zip Code:	_ Zip Code:				
Home Phone: ()	Work	Phone: (	)					
EMS or Hospital Affiliation:								
Name Tag:								
Check All That Apply:   EMT-B  EMT-EN	N 🗆	EMT-I	□ ЕМТ-Р	□ LPN	□ RN			
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Name & Address (as they appear on credit card	d):		s payable to: inia - Pegasus	The University	of			
		Send registration information and checks to: Pegasus 200 Bowen Loop, Suite 100 Charlottesville, VA 22911						
Signature:		Credit card	d registration ma	y be faxed to: 43	4.973.6915			

Name:	T-Shirt S	Size (cir	cle one): S	М	L	XL	XXL	XXXL
Please choose from the following General Session presentations, ranking your choices from 1 (most interested) to 5 (least interested). Please note that presentations marked with an asterisk (*) are advanced topics intended for critical care RN's or CCEMT-P/FP-C attendees. These sessions may not be appropriate for everyone.								
	Pancreatic Trauma: The Other Abdominal Injury		Fits and Spe	lls				
	Acute Stroke Evaluation: A "VAST" Opportunity for Improvement		STEMI and H What's New					
	*Pediatric Dysrhythmias		Near Drownir	ng and	d Aco	cident	al Hypo	thermia
	Pediatric Patient Assessment		*What to Do	When	Your	Patien	t Is "Mo	stly Dead"
	Alphabet Soup: ECO? TDO?		Managing th	e Oth	er Br	eathir	ng Tube	
	Anaphylaxis and Allergic Reactions							
	*Myasthenia Gravis							
	☐ Virginia Blood Services will be ava							