



University of Virginia  
Pegasus  
200 Bowen Loop Suite 100  
Charlottesville, VA 22911

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Pegasus  
Presents  
Critical Response '06  
MAY 13, 2006  
McLeod Hall  
University of Virginia  
Health System

## Faculty

**Abdullah M. S. Al-Osaimi, MD**

Assistant Professor of Internal Medicine  
Division of Gastroenterology and Hepatology  
University of Virginia Health System

**Jeffrey Bergman, BA**

Detective/Master Police Officer  
Fairfax County Police Department

**Sabina A. Braithwaite, MD, FACEP, NREMT-P**

Assistant Professor, Department of Emergency Medicine  
University of Virginia Health System

**Joseph R. Corley, BSHS, EMT-P**

Training Officer  
Virginia 1 Disaster Medical Assistance Team

**Jeffrey D. Ferguson, MD, NREMT-P**

EMS Fellow, Department of Emergency Medicine  
University of Virginia Health System

**Mike Harnois, NREMT-P, CPTC, CTBS**

Transplant Coordinator  
LifeNet

**Timothy J. Hodge, NREMT-P, CCEMT-P**

Flight Paramedic, Pegasus Flight Operations  
University of Virginia Health System

**Korin B. Hudson, MD, NREMT-P**

Chief Resident, Department of Emergency Medicine  
University of Virginia Health System

**Mary E. Jensen, MD**

Director of Interventional Neuroradiology  
University of Virginia Health System

**Robert E. Knox, RN, MSN, NREMT-P**

Program Manager, Pegasus Flight Operations  
University of Virginia Health System

**Blee Moffett, RN, NREMT-P**

Registered Nurse, Coronary Care Unit  
University of Virginia Health System

**Brian Mungle, NREMT-P, CCEMT-P, PNCCT**

Firefighter/Paramedic  
Albemarle County Fire Rescue

**Dennis C. Pagé, RN, BSN, CCRN, NREMT-P**

Supervisory Clinical Nurse  
Virginia 1 Disaster Medical Assistance Team

**Debra Perina, MD**

Director, Prehospital Care Division  
University of Virginia Health System

**Liza A. Prudente, RN, MSN, ACNP-C**

Nurse Practitioner, Atrial Fibrillation Center  
University of Virginia Health System

**Adam K. Rowden, DO**

Department of Toxicology  
University of Virginia Health System

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The staff of Pegasus is proud to present *Critical Response '06*. This is the 14th spring conference hosted by Pegasus. We hope you take this opportunity to enjoy the educational offerings and join your fellow health care providers in this day of information sharing. We would like to thank our guest speakers who have so graciously volunteered their time and talents.

*McLeod Hall Auditorium has a high capacity air exchange system.  
We recommend a light jacket or sweater for all who attend.*

## General Sessions

### ***Difficult Airway Management and Rapid Sequence Induction Techniques***

***Debra Perina, MD:*** This presentation focuses on identifying and managing the difficult airway. Discussion includes the use of difficult airway adjuncts, rapid sequence intubation medications, and current medical literature regarding prehospital RSI

### ***VA 1-DMAT: Helping the Nation in a Time of Need***

***Dennis Pagé, RN, NREMT-P, Joseph R. Corley, BSHS, EMT-P:*** This presentation provides an overview of the structure and responsibilities of the Virginia 1 Disaster Medical Assistance Team. The discussion will focus on the recent deployments of the team to devastated regions, including those of Hurricane Katrina.

### **Gang Awareness**

***Detective Jeffrey Bergman:*** This presentation will describe the history of gang related violence with a focus on emerging local gangs. Discussion will include frequently encountered injuries, signs, and graffiti associated with gang culture.

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## Critical Care Session

*This series of lectures is designed for participants seeking Critical Care knowledge for personal growth or recertification CE's for CCEMT-P, CCRN, CEN or CFRN.*

*\*This lecture series is reserved for the first 50 ALS registrants*

### ***Fulminant Liver Failure***

***Abdullah Al-Osaimi, MD:*** This presentation reviews the pathophysiologic changes associated with acute fulminant liver failure, as well as current treatments and therapies associated with the disease process.

### ***Treatment of Atrial Fibrillation with Radiofrequency Ablation***

***Liza Prudente, RN:*** This presentation provides an introduction to the techniques used in cardiac radiofrequency ablation. Discussion will focus on candidate selection for ablation, mapping systems used to identify the ablation site, and the ablation procedure for treating atrial fibrillation.

### ***Evaluation and Management of the Potential Organ Donor***

***Mike Harnois, NREMT-P, CPTC, CTBS:*** This presentation will focus on the management of the potential organ donor. The talk will be directed toward establishing death by neurological criteria, management of the donor in the critical care setting to maintain perfusion, and organ placement.

## Breakout Sessions

### ***CO2 101: Understanding Capnography***

***Timothy Hodge, NREMT-P:*** This presentation will describe the role of capnography in the prehospital setting. The lecture will focus on interpretation of waveforms and applications for monitoring respiratory status.

### ***Approaching Pediatric Patients in Respiratory Distress***

***Korin B. Hudson MD:*** This presentation will focus on common pediatric respiratory illnesses and treatment strategies. The lecture will review the anatomy of the pediatric airway and the pathophysiology associated with common pediatric respiratory problems.

### ***Drugs of Abuse***

***Adam K. Rowden, DO:*** This presentation will describe frequently encountered drugs of abuse, including “Club” drugs and “Date-Rape” Drugs. Discussion will focus on toxic syndromes, complications, and treatment modalities associated with drugs of abuse.

### ***Congestive Heart Failure***

***Blee, Moffett, RN:*** This presentation will describe the pathophysiology associated with congestive heart failure. Discussion will focus on recognizing the patient with CHF and treatment strategies that improve oxygenation and decrease cardiac workload.

### ***Interventional Neuroradiology and the Emergency Patient***

***Mary E. Jensen, MD:*** This presentation will review neuroradiology techniques currently in use and common radiographic findings seen in the emergency patient. The lecture will focus on radiological interventions to treat stroke, subarachnoid hemorrhage, aneurysms, and vascular lesions.

### ***Blast Injuries: Physics vs. Physiology***

***Jeffrey Ferguson, MD:*** Injuries from explosions have emerged as a civilian EMS concern. This lecture is an introduction to blast mechanics and prehospital management of blast injuries.

### ***Orthopedic Trauma***

***Robert Knox, RN:*** This presentation will review the pathophysiology of orthopedic injuries. The lecture will describe mechanisms of injury and current treatments. Special attention will be focused on spinal and pelvic injuries and their associated radiological findings.

### ***Trauma Case Scenarios***

***Sabina Braithwaite, MD:*** This presentation utilizes case specific traumatic injuries, each with a specific practical application focus and take-home clinical pearl. Subjects to be discussed include massive airway trauma, head injury, flail chest, and compartment syndrome.

### ***The Complexities of New Vehicle Technology***

***Brian Mungle, NREMT-P:*** This presentation will describe the challenges faced by EMS providers and Firefighters while extricating patients from new model vehicles. The lecture will focus specifically on the peculiar features of hybrid vehicles. The session reviews basic vehicle construction and airbag placement within new vehicles and how it relates to the safety of the extricator.

## Registration and Fees

Registration is limited to 300 participants. We are pleased to provide you with an interesting program, lunch, snacks, a commemorative T-shirt and cooler for only \$55.00. Please register early.

**The deadline for registration is May 1, 2006.**

### Directions

**From I-64** take Rt. 29 North and follow the hospital signs to Jefferson Park Ave. (JPA) and then right onto Lee Street and park in either of the parking garages.

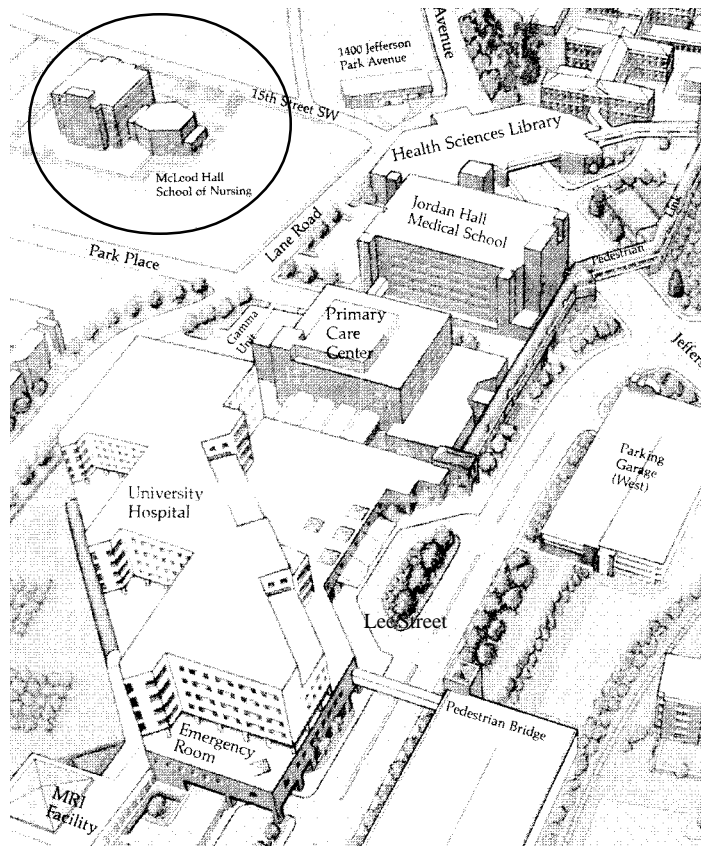
**Coming South Rt. 29** follow the hospital signs to Jefferson Park Ave. (JPA) and then right onto Lee Street and park in either of the parking garages.

### Parking

Free parking is available in the twin garages. The lot next to McLeod Hall has been reserved for the caterer's vehicles. McLeod Hall (shown on the map) is located one block behind the Primary Care Center.

### Cancellations

Cancellations received after **May 1, 2006** will result in forfeiture of all registration fees. Substitutions will be accepted although certificates may not be available.



*A registration confirmation will be returned to you.*

For information call **434-978-4426**

***Nursing and Pre-hospital Continuing Education Credits have been applied for from The Air and Surface Transport Nurses Association and Virginia Office of Emergency Services***

*Cut Here-----Photocopied forms accepted-----Cut Here*

E-mail address: \_\_\_\_\_

Make sure to **PRINT LEGIBLY** and be case specific.

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

EMS or Hospital Affiliation: \_\_\_\_\_ Name tag: \_\_\_\_\_

Home Phone: (\_\_\_\_) \_\_\_\_\_ Required for Credit Card Work Phone: (\_\_\_\_) \_\_\_\_\_

**Check all that apply** EMT \_\_\_ EMT-ST \_\_\_ EMT-C \_\_\_ EMT-P \_\_\_ LPN \_\_\_ RN \_\_\_

Send registration information and check to:

**Pegasus**

**200 Bowen Loop Suite 100**

**Charlottesville, VA 22911**

Make checks payable to:

**THE UNIVERSITY of VIRGINIA-PEGASUS**

**Credit card registration may be faxed to 434-924-8715**

Credit Card # \_\_\_\_\_

Visa \_\_\_ MC \_\_\_ AmExp \_\_\_ Disc \_\_\_ **ExpDate** \_\_\_ / \_\_\_

(Name and Address as they appear on credit card. *Required*)

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Signature \_\_\_\_\_

# Schedule

07:15 **Registration**

08:15 **Difficult Airway Management *or* Critical Care Tract**

09:15 **Breakout Session A** (pick a topic from the next page)

10:15 **Refreshments**

10:30 **Breakout Session** (pick a topic from the next page)

11:30 **Lunch: Big Jim's Bar-B-Que**

12:45 **Gang Awareness Issues**

13:45 **Breakout Session** (pick a topic from the next page)

14:45 **Refreshments**

15:00 **VA-DMAT Response to Hurricane Katrina**

16:00 **Wrap up and Closing Remarks**

(Be sure to complete the opposite side of the registration form.)

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**Name :** \_\_\_\_\_ **T-Shirt size** S M L XL XXL XXXL This does not reserve a shirt for you, it only helps us estimate our ordering needs.

The split session (Critical Care Tract) is limited to 50 attendees. After the first 50 paid ALS registrants fill the Critical Care Tract, all others will be placed into the general session. Every effort will be made to assign you to the tract you have selected. **All registrants should select break-out sessions.**

**General Session**                      **or**                       **Split Session (Critical Care Tract)**

**Rank your choices from 1 to 5 for the 3 break-out sessions**

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Blast Injuries           | <input type="checkbox"/> Orthopedic Trauma              | <input type="checkbox"/> Recreational Overdose     |
| <input type="checkbox"/> Congestive Heart Failure | <input type="checkbox"/> Pediatric Respiratory Distress | <input type="checkbox"/> Trauma Case Studies       |
| <input type="checkbox"/> Pre-hospital Capnography | <input type="checkbox"/> New Vehicle Technology         | <input type="checkbox"/> Neurological Case Studies |

**Virginia Blood Services will be on hand to accommodate attendees who wish to donate blood**

Yes, I plan on donating blood. I want to help beat last year's total.