

UAB CRRT ACADEMY 2012

Presented by

**UAB Hospital and UAB School of Medicine
Division of Continuing Medical Education**



Wednesday, September 19th & Thursday, September 20th

UAB Hospital West Pavilion Conference Center

And

UAB Department of Resuscitation

619 19th Street South

Birmingham, AL 35249

About CRRT

Due to its ability to provide effective volume and metabolic control, Continuous Renal Replacement Therapy (CRRT), has recently emerged as the dialysis technique of choice for critically ill patients with acute kidney injury (AKI). Obstacles to the widespread use of CRRT include limited understanding of its application and lack of familiarity with its technical features. In this symposium we review the impact of AKI in critical illness. We will discuss the fundamentals of CRRT and describe in-depth how to implement a hassle-free protocol from the perspective of the physician, pharmacist, and nurse.

This symposium is open to nephrology and pulmonary/critical care fellows, clinicians, nurses, pharmacists, and anyone interested in obtaining a practical understanding of CRRT.

Accommodations

Reservations are available at Residence Inn by Marriott, Birmingham Downtown @ UAB. There is a special rate of **\$129** for studio guestroom reservations for conference participants. Be sure to mention that you will be attending the **UAB CRRT ACADEMY 2012** to receive this discount rate. Call at 205-731-9595 locally, 1-800-331-3131 or online at: <http://www.marriott.com/hotels/travel/bhmri?groupCode=crrcra&app=resv>

[CRRT Academy 2012 @ Residence Inn Birmingham Downtown at UAB](#)

Please reserve your rooms by **August 20, 2012** for this special rate.

Please note that if you are a Residence Inn guest and conference attendee, members of our conference committee will meet you in the hotel lobby at **7 a.m. on Wednesday, September 19** to escort you to UAB Hospital. Departure time will be promptly at **7:15 a.m.**

Agenda - Day 1— Wednesday, September 19th

Program Objectives

1. Review the definition, epidemiology, and pathogenesis of acute kidney injury (AKI) in the critical care setting and the importance of dialysis as a therapeutic option.
2. Describe the fundamental transport mechanisms for solute removal.
3. Contrast and compare the advantages and disadvantages of various dialysis options for AKI, including intermittent hemodialysis (IHD), peritoneal dialysis (PD), sustained low efficiency dialysis (SLED), and continuous renal replacement therapy (CRRT).
4. Identify and defend the technical options for CRRT, including modality, anticoagulation, solutions, vascular access, and the delivery of dialysis dose.
5. Analyze and compare CRRT outcome studies.
6. Evaluate nursing, pharmacy, and administrative issues in developing, implementing, and maintaining a CRRT program.
7. Engage in a discussion of the ethics of CRRT and the termination of support.
8. Describe challenges inherent in the use of CRRT in special populations including liver failure, CHF, and pediatrics.
10. Apply critical thinking and clinical skills to case scenarios and simulations.

Morning Plenary

Fundamentals of CRRT

7:00 a.m.—7:45 a.m. Registration & Breakfast

7:45 a.m.—8:00 a.m. Welcome and Announcements

8:00 a.m.—8:30 a.m. AKI and Patient Selection for CRRT- *Jorge Cerda, MD*

8:30 a.m.—9:20 a.m. Dialysis Options for AKI - *David James, DNP, RN, CCRN, CCNS*

9:30 a.m.—10:00 a.m. CRRT: The Technical Questions - 1. Which Modality?
Ashita Tolwani, MD, MS

10:00 a.m.—10:25 a.m. BREAK

10:25 a.m.—11:10 a.m. CRRT: The Technical Questions - 2. Which Anticoagulant?
Ashita Tolwani, MD, MS

11:10 a.m.—11:25 a.m. CRRT: The Technical Questions - 3. Which Solutions?
Ashita Tolwani, MD, MS

11:25 a.m.—11:40 a.m. CRRT: The Technical Questions - 4. Which Dose?
Ashita Tolwani, MD, MS

11:40 a.m.—12:00 p.m. CRRT: The Technical Questions - 5. Access/Membrane/Circuit
Luis Juncos, MD

Agenda - Day 1— Wednesday, September 19th

12:00 p.m.—12:30 p.m. CRRT Outcome Studies: Survival and Renal Recovery
Luis Juncos, MD

12:30 p.m.—1:30 p.m. LUNCH (provided)

Starting a CRRT Program

1:30 p.m.—2:15 p.m. Nursing Issues - *David H. James, DNP, RN, CCRN, CCNS*

2:15 p.m.—3:00 p.m. Pharmacy Issues - *Rajesh Speer, Pharm D*

3:00 p.m.—3:15 p.m. BREAK

3:15 p.m.—4:00 p.m. Administrative & Billing Issues - *Jorge Cerda, MD*

4:00 p.m.—4:45 p.m. CRRT Devices and Industry—*Cathy DiMuzio, Director of Therapy Development--Gambro Acute Care, and Jeff Burbank, CEO—NxStage*
(In-service—no CE credit)

4:45 p.m.—5:00 p.m. Question/Answer Session—Evaluations

6:30 p.m.—9:00 p.m. Networking Reception — Marriott Residence Inn

Agenda - Day 2— Thursday, September 20th

7:00 a.m.—7:15 a.m. Committee Members to meet conference attendees at Marriott Residence Inn Escort to UAB West Pavilion Conference Center Room E

7:15 a.m.—7:45 a.m. Breakfast/Registration

7:45 a.m.—8:00 a.m. Welcome/Announcements

Workshops: Break-Out Sessions I, II

General Session

7:30 a.m.—8:00 a.m. Pre-Test Survey and Preparation for Simulation

8:00 a.m.—12:30 p.m. The “hands-on” workshops will use a case-based approach to provide training on the use of CRRT and troubleshooting.
The workshops are divided into two break-out sessions:

- I. Nursing
- II. Physician and Pharmacy

Each break-out session is divided into 4 sections. Each section will be 35 minutes in length.

Groups of 5 participants will rotate between each section in order to maximize the learning opportunity for each participant.

Agenda - Day 2— Thursday, September 20th

Workshops: Break-Out Sessions I, II

General Session (Nursing)

8:00 a.m.—8:35 a.m. Fluid and Electrolytes—*David H. James, MSN, RN, CCRN, CCNS*

8:45 a.m.—12:30 p.m. (includes 5-minute break between sessions)

I. Nursing—Speakers: Nursing Faculty

Implementation of Physician CRRT Orders and Setting up the CRRT Device Simulation

Documentation, Trouble-shooting, Disconnection of the CRRT device Simulation

CRRT Labs 101 Simulation/Case Scenarios

CRRT: Putting it all Together Simulation

General Session (Physician and Pharmacy)

8:00 a.m.—8:35 a.m. Patient Selection for CRRT: Case Scenarios—*Jorge Cerda, MD*

8:45 a.m.—12:30 p.m. (includes 5-minute break between sessions)

II. Physician and Pharmacy

CRRT Prescription and Order Sets
Ruth Campbell, MD

CRRT Case Simulation: Anticoagulation
Ashita Tolwani, MD

Trouble Shooting Electrolyte and Acid-Base Issues: Case Scenarios
Keith Wille, MD/Rajesh Speer, Pharm D

CRRT Case Simulation: Dose
Luis Juncos, MD, Ph D

12:30 p.m.—1:30 p.m. LUNCH and Pediatric Breakout Session—*David Askenazi MD, MsPH*

1:45 p.m.—2:00 p.m. Pre-Test Survey for Palliative Care

2:00 p.m.—3:00 p.m. Ethics and Palliative Care Considerations in CRRT—*Rodney Tucker, MD*

3:00 p.m.—5:00 p.m. Interactive Simulation: Real-time, case-based scenario from consent to delivery of therapy—*CRRT Academy Staff*

Faculty

Ashita Tolwani, MD, Professor and
CRRT Course Director - atolwani@uab.edu
 GAMBRO Expert Panel

Cathy DiMuzio (Nursing Faculty)
 Director, Therapy Development
 GAMBRO— Acute Care Division

David Askenazi, MD, MsPH
 Assistant Professor
 Pediatrics—UAB Nephrology

David H. James, MSN, RN, CCRN, CCNS (Nursing Faculty)
 Advanced Nursing Coordinator
 UAB Hospital

Donna Carlton-Casey, BSN, RN, CNN (Nursing Faculty)
 Research RN
 UAB Hospital/DaVita Healthcare

Jorge Cerda, MD
 Clinical Associate Professor Medicine
 Albany Medical College
 Albany, New York
 GAMBRO Expert Panel

Katrina Eggleston, BSN, RN (Nursing Faculty)
 UAB Hospital/DaVita Healthcare

Keith Wille, MD
 Associate Professor
 Pulmonary/Allergy/Critical Care
 UAB Hospital

Luis Juncos, MD PhD
 John Bowen Professor of Medicine
 Director of Nephrology
 University of Mississippi

Margot Andison, Ph.D., BSN, RN, CCRN (Nursing Faculty)
 UAB Hospital—MICU

Rajesh Speer, Pharm D
 UAB Pharmacy
 GAMBRO Expert Panel

Rebecca Bryant, RN (Nursing Faculty)
 Divisional Acute Director
 DaVita, INC

Rodney Tucker, MD
 Assistant Professor of Medicine
 UAB Gerontology/Geriatrics/Palliative Care
 Associate Quality Officer—UAB Health System

Ruth Campbell, MD
 Associate Professor
 Medical University of South Carolina

Technical Advisors

J. Dale Davis, RN, BSN
 Department of Resuscitation
 UAB Hospital

Jeff Burbank
 CEO NxStage

Lisa Bimbo, BSN, RN, CNN
 Manager—Inpatient Dialysis Unit
 UAB Hospital/DaVita Healthcare

Krystal Aaron, Lab Manager

Teri Shell, RN—UAB Hospital/DaVita Healthcare

Administrative Coordinators:

Daisy Sparks, Constance Umfress and
 Kamiesha Borden — Medical Nursing Division

Registration Information

Please mark the appropriate bubble.

Registration fees received by August 19, 2012

- \$250 for MDs and Pharmacists
- \$200 for nurses
- \$125 for fellows and students

Registration fees received after August 19, 2012

- \$300 for MDs and Pharmacists
- \$250 for nurses
- \$175 for fellows and students



Group discount of \$25 off for registrations of three or more from the same institution. Registrations must be submitted together. UAB participants will receive the same discount rate. Dress is business casual.

Please complete the registration form (**Please print or type**). Return to UAB Hospital Medical Nursing/CE Offering, 1813 6th Avenue South, Medical Education Building Suite 508, Birmingham, AL 35249-6908 or fax to (205) 975-6802. (Attention: Daisy Sparks). Confirmation will be emailed or faxed to those who complete the registration form no later than **August 31st**. Payment must accompany all registrations. For questions, please call (205) 934-5227.

Please print clearly

Last name: _____ First name: _____ MI: _____

E-mail address: _____ Position title: _____

Pharmacy license # _____ (State _____)

Nursing license # _____ (State _____) Fax Number: _____

Important: Alabama Nurses please bring your nursing license to conference for contact hours - you must scan your license in a card reader.

Home Address: _____ Home Phone: _____

City: _____ State: _____ Zip code: _____

Employer Name: _____ Business Phone: _____

Employer Address: _____ City: _____ State: _____

Zip code: _____

Payment method (check one): Checks/Money Orders (Make payable to UAB Hospital c/o CRRT Academy 2012).

- Visa MasterCard Discover Card Personal Check/Money Order Institutional Check

Card Holder: _____ Card No: _____

Expiration date: _____ Signature: _____

Registration/Cancellation Policy: Cancellation received no later than Monday, September 3rd will receive a refund minus a \$25 administrative fee. Cancellations received *after* September 3rd, 2012 will not receive a refund. Tuition for this program can be transferred to another person without penalty. Registration cannot be shared among participants. Registration at the door is pending available space and is payable by cash, money order, or institutional checks only—no personal checks please.

Contact hour information

The University of Alabama School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The University of Alabama School of Medicine designates this educational activity for a maximum of **12.5 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity. The University of Alabama at Birmingham is an equal opportunity/affirmative action institution.

UAB Hospital's Nursing Continuing Education Department is an approved provider of continuing nursing education by the Alabama Board of Nursing (Provider Number: ABNP0055, Expiration date: June 4, 2013).

UAB Hospital's Nursing Continuing Education Department is an approved provider of continuing nursing education by the Alabama State Nurses Association, and accredited approver of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation (Provider Number: 5-69, Expiration date: December 10, 2013).

Day One - September 19

ABN approved contact hours: 7.5

ABN Pharmacology hours: 1.5

ANCC approved contact hours: 6.25

Credit will be given separately for each day. Partial credit will not be given. You must attend the entire day to obtain credit. Pharmacology hours will apply: 1.5 contact hours on day one; 1.65 on day 2 for Physician/Pharmacy workshops.

Day Two - September 20

ABN approved contact hours: 7.5

ABN Pharmacology hours: 1.65

ANCC approved contact hours: 7.75



The Samford University McWhorter School of Pharmacy is accredited by the Accreditation Council for Pharmacy Education

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If you have a disability and require assistance to facilitate your participation in this conference, please indicate your needs in writing and send in with your registration. If you require vegetarian meals, please indicate your needs in writing with your registration.

Supported by GAMBRO Renal Products, DaVita Total Renal Care, Inc., NxStage, Cytopherx and O'Brien Center