



**DIVISION OF NEPHROLOGY**

**PRESENTS**

**Therapeutic Apheresis Academy**  
**2009**

**September 24-26, 2009**

**AT**

**UNIVERSITY OF VIRGINIA SCHOOL OF MEDICINE  
JORDAN HALL CONFERENCE CENTER  
CHARLOTTESVILLE, VIRGINIA**

*Distinguished Guest Speakers include*

**Timothy E. Buchman, MD  
Andre A. Kaplan, MD  
Michele H. Mokrzycki, MD, MS  
Kimberly W. Sanford, MD  
A. Sergio Torloni, MD  
David M. Ward, MD  
Robert Weinstein, MD**

*Course Director*

**Rasheed A. Balogun, MD, FACP, FASN, HP(ASCP)**

**SPONSORED BY**

**THE OFFICE OF CONTINUING MEDICAL EDUCATION  
UNIVERSITY OF VIRGINIA SCHOOL OF MEDICINE**

## CONFERENCE OVERVIEW

**Therapeutic Apheresis Academy 2009** is a 2 ½ day course for physicians in nephrology, hematology, pathology/blood banking, and other allied health professional with an interest in therapeutic apheresis. The Thursday and Friday didactic sessions will present an overview of therapeutic apheresis practice and information on building a new therapeutic apheresis service. The Saturday simulation lab will demonstrate clinical applications and provide an opportunity to glean practical tips from expert practitioners.

## LEARNING OBJECTIVES

*Upon completion of the conference, participants will be able to:*

1. Discuss current clinical indications for therapeutic apheresis
2. Explain newer therapeutic apheresis modalities
3. Apply clinical and administrative knowledge necessary to set up and run a Therapeutic Apheresis Service
4. Describe the attributes of varying types of apheresis equipment
5. Describe quality assurance and control measures in Therapeutic Apheresis

## ABOUT CHARLOTTESVILLE

Charlottesville is a captivating blend of colorful history, distinctive architecture, southern hospitality and small city sophistication. This is a very special place, home to Thomas Jefferson and his legacies – a great university and his home, Monticello. Both are architectural treasures included on the World Heritage List. Nearby you will also find the home of James Monroe, our fifth president and author of the Constitution. Nestled in the foothills of the legendary Blue Ridge Mountains, the area is also known for its year 'round natural beauty and a variety of accommodations, attractions, events, and activities that make it an ideal destination for visitors of all ages. We encourage participants to bring spouses and families to enjoy the wonderful recreational opportunities that Charlottesville has to offer. Contact the Charlottesville Albemarle County Convention and Visitors Bureau toll-free at (877) 386-1103 or go to [www.charlottesville tourism.org](http://www.charlottesville tourism.org) for additional information.

## ACCREDITATION AND DESIGNATION STATEMENT

### Direct Sponsorship Accreditation and Designation Statement

The University of Virginia School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

The University of Virginia School of Medicine designates this educational activity for a maximum of 14 AMA PRA Category 1 Credits™ for the didactic sessions and 3.0 Credits for the Saturday lab. Physicians should only claim credit commensurate with the extent of their participation in the activity.

### Continuing Education Credit

The University of Virginia School of Medicine awards 0.1 CEU per contact hour to each non-physician participant who successfully completes this educational activity. The CEU (Continuing Education Unit) is a nationally recognized unit of measure for continuing education and training activities that meet specific educational planning requirements. The University of Virginia School of Medicine maintains a permanent record of participants who have been awarded CEUs.

## INFORMATION and REGISTRATION

The registration fee for the 2-day didactic portion of the course is \$200. Registration for the Saturday lab is \$75. A limited number of scholarships for residents/fellows may be available. For more information contact Tammy Eberly at the University of Virginia Office of Continuing Medical Education at 434-924-1657 or via e-mail at [teberly@virginia.edu](mailto:teberly@virginia.edu). Physicians may use the Medical Information and Referral Service by calling 1-800-552-3723.

## SPECIAL NEEDS

The Americans with Disabilities Act of 1990 requires that all individuals, regardless of their disabilities, have equal access. The Office of Continuing Medical Education at the University of Virginia School of Medicine is pleased to assist participants with special needs. Written requests must be received 30 days prior to the conference date. These should be mailed to UVA Office of Continuing Medical Education, Box 800711, Charlottesville, VA 22908 or to [uvacme@virginia.edu](mailto:uvacme@virginia.edu). Some of the conference venues used by the University of Virginia Office of Continuing Medical Education are registered historic properties and may not be fully ADA accessible. Please feel free to contact the facility if you have specific questions.

## **COURSE LOCATION AND PARKING**

The conference will be held in the Jordan Hall Conference Center at the University of Virginia Health System. **Conference parking for activities at the UVA Health System is LIMITED to the 14th Street Parking Garage.** The Medical Center garages are for patients ONLY. The CME office is unable to reimburse conference attendees for parking. Directions are available at [www.cmevillage.com](http://www.cmevillage.com).

## **ACCOMMODATIONS**

We have reserved space at the hotels listed below. Both are in walking distance to Jordan Hall. Please reserve early and request the Therapeutic Apheresis room block. The room blocks release August 24, 2008.

**Courtyard by Marriott**  
1201 West Main Street  
Charlottesville, VA 22903  
434-977-1700  
\$119-\$169

**Hampton Inn & Suites at the University**  
900 W. Main Street  
Charlottesville, VA 22903  
434-923-8600  
\$163

## **CONFIRMATION AND CANCELLATION POLICY**

Upon receipt of registration **and** payment, you will receive an email confirmation. If payment is not received 4 days prior to this activity, space will not be reserved. We recommend that you secure payment with your own credit card, then seek reimbursement from your employer (where appropriate).

Registration fees will be refunded (less a \$50 administrative fee) for written cancellations (emails and faxed requests are acceptable) received a minimum of 14 days prior to the activity date. No refunds will be granted for registration fees of less than \$50 or for cancellations made within 13 days of the activity.

The University of Virginia School of Medicine reserves the right to cancel CME activities if necessary. In this case, the entire registration fee will be refunded. All other expenses incurred in conjunction with this CME activity are the sole responsibility of the participant.

## **DISCLOSURE STATEMENTS**

### **Disclosure of faculty financial affiliations**

The University of Virginia School of Medicine, as an ACCME accredited provider, endorses and strives to comply with the Accreditation Council for Continuing Medical Education (ACCME) Standards of Commercial Support, Commonwealth of Virginia statutes, University of Virginia policies and procedures, and associated federal and private regulations and guidelines on the need for disclosure and monitoring of proprietary and financial interests that may affect the scientific integrity and balance of content delivered in continuing medical education activities under our auspices.

The University of Virginia School of Medicine requires that all CME activities accredited through this institution be developed independently and be scientifically rigorous, balanced and objective in the presentation/discussion of its content, theories and practices.

All faculty presenters participating in an accredited CME activity are expected to disclose relevant financial relationships with commercial entities occurring within the past 12 months (such as grants or research support, employee, consultant, stock holder, member of speakers bureau, etc.). The University of Virginia School of Medicine will employ appropriate mechanisms to resolve potential conflicts of interest to maintain the standards of fair and balanced education to the reader. Questions about specific strategies can be directed to the Office of Continuing Medical Education, University of Virginia School of Medicine, Charlottesville, Virginia.

The faculty and staff of the University of Virginia Office of Continuing Medical Education have no financial affiliations to disclose.

### **Disclosure of discussion of non-FDA approved uses for pharmaceutical products and/or medical devices**

The University of Virginia School of Medicine, as an ACCME provider, requires that all faculty presenters identify and disclose any off-label uses for pharmaceutical and medical device products. The University of Virginia School of Medicine recommends that each physician fully review all the available data on new products or procedures prior to clinical use.

### **Disclosure for attendance records and certificate distribution**

The University of Virginia Office of Continuing Medical Education requires that all participants at live CME activities sign attendance sheets daily to confirm participation in the CME activity for that day. Certificates of attendance, designating the maximum number of hours of participation, are distributed to each participant at the CME activity. Participants are responsible for accurately tracking their actual participation at live events.

**THURSDAY, SEPTEMBER 24, 2009**

7:30	Registration and Breakfast
8:00	<b>Welcome</b> <i>Mark D. Okusa, MD, Rasheed A. Balogun, MD</i>
8:10	<b>I. Introduction and Overview of Therapeutic Apheresis</b> <i>Rasheed A. Balogun, MD, Moderator</i>
8:15	<b>Conventional Therapeutic Apheresis: A Primer</b> <i>David M. Ward, MD</i>
9:00	<b>Evidence and Decision Making in Apheresis Medicine</b> <i>Robert Weinstein, MD</i>
9:45	Break with Exhibitors
10:05	<b>Thrombotic Microangiopathies; When TA is The Answer</b> <i>B. Gail Macik, MD</i>
10:50	<b>Clinical Adverse Events During TA</b> <i>Michele H. Mokrzycki, MD</i>
11:35	<b>Basic Immunology and Transfusion Medicine for the Clinician</b> <i>Pamela Clark, MD, JD</i>
12:20	Lunch Provided
1:20	<b>II. Novel Clinical Applications of Therapeutic Apheresis</b> <i>Emaad Abdel-Rahman MD, Moderator</i>
1:25	<b>Photopheresis and Solid Organ Transplant Rejection; Current Insights</b> <i>David M. Ward, MD</i>
2:10	<b>Neurological Indications for TA; The Old and The New</b> <i>Ted M. Burns, MD</i>
2:55	Break with Exhibitors
3:15	<b>Concurrent Therapeutic Apheresis and Other Extracorporeal Therapies: A Tale of Two Circuits</b> <i>Sergio Torloni, MD</i>
4:00	<b>High-Risk Kidney Transplantation Desensitization; Making the Impossible Possible with Therapeutic Apheresis</b> <i>Peter I. Lobo, MD</i>
4:45	<b>Panel with Question &amp; Answer Session</b>
5:05	Adjourn
6:30-9:30	<b>UVA History Dinner at Colonnade Club</b> Additional Registration Fee Required – Space Limited

**FRIDAY, SEPTEMBER 25, 2009**

- 8:00 Sign-in and Breakfast with Exhibitors
- 8:30 **III. Therapeutic Apheresis in Special Populations-Introduction**  
*Andre A. Kaplan, Moderator*
- 8:35 **Therapeutic Apheresis in Critically Ill Patients**  
*Kimberly W. Sanford, MD*
- 9:20 **Therapeutic Apheresis and The Kidney; Cryoglobulins and Beyond**  
*Andre A. Kaplan, MD*
- 10:05 Break with Exhibitors
- 10:25 **Therapeutic Apheresis in Pediatric Patients, Special Considerations from Anticoagulation to Vascular Access**  
*Timothy E. Bunchman, MD*
- 11:10 **Lipid Apheresis: Why, When, How, How Long**  
*Andre A. Kaplan, MD*
- 11:55 **Panel with Question & Answer Session**
- 12:15 Lunch Provided
- 1:15 **IV. Building a New Therapeutic Apheresis Service**  
*Rasheed A. Balogun, MD, Moderator*
- 1:20 **TA Medical Directorship and Other Personnel: Requirements, Duties and Responsibilities**  
*David M. Ward, MD*
- 2:00 **Quality Assurance and Control Measures in a TA Service**  
*Kimberly W. Sanford, MD*
- 2:30 **Therapeutic Apheresis Hardware**  
*Gay Wehrl, MD*
- 3:10 Break with Exhibitors
- 3:30 **The Nurse/ Hemapheresis Practitioner: Contribution to the TA Service**  
*Judy C. Kauffman, RN*
- 4:10 **TA Professional Billing and Reimbursement: Getting in Right**  
*Amanda Morris, CPC*
- 4:40 **Panel with Question & Answer Session**
- 5:00 Adjourn

**SATURDAY, SEPTEMBER 26, 2009**

- 8:30 Sign-in and Breakfast
- 9:00 **Therapeutic Apheresis Simulation Lab**
- Multiple TA approaches
  - Patient data requirements
  - Vascular access options
  - Anticoagulation
  - Common challenges and resolutions
- 12:00 Adjourn

## FACULTY

### DISTINGUISHED GUESTS

**Timothy E. Bunchman, MD**  
Professor, Pediatric Nephrology, Dialysis  
and Transplantation  
Helen DeVos Children's Hospital  
Grand Rapids, Michigan

**Andre A. Kaplan, MD**  
Professor of Medicine  
University of Connecticut Health Center  
Chief, Blood Purification,  
John Dempsey Hospital  
Medical Director, UConn Dialysis Center  
Plainville, Connecticut

**Michele H. Mokrzycki, MD, MS**  
Professor of Clinical Medicine/Nephrology  
Albert Einstein College of Medicine  
Bronx, New York

**Kimberly W. Sanford, MD**  
Assistant Professor/Pathology  
Associate Medical Director, Transfusion  
Medicine  
Virginia Commonwealth University  
Health System  
Richmond, Virginia

**A. Sergio Torloni, MD**  
Assistant Professor of Laboratory Medi-  
cine and Pathology  
Medical Director, Transfusion Medicine  
Mayo Clinic Hospital  
Phoenix, Arizona

**David M. Ward, MD, FRCP**  
Professor of Medicine/Nephrology  
Director, Dialysis/Apheresis  
University of California,  
San Diego Medical Center  
San Diego, California

**Robert Weinstein, MD**  
Chief, Transfusion Medicine  
Professor of Medicine and Pathology  
University of Massachusetts  
Medical School  
UMass Memorial Medical Center  
Worcester, Massachusetts

### UNIVERSITY OF VIRGINIA FACULTY

**Ted M. Burns, MD**  
Professor of Neurology  
Programs Director, Neurology Residency  
and Neurophysiology Fellowship

**Pamela Clark, MD, JD**  
Assistant Professor Pathology  
Associate Medical Director of Blood Bank  
and  
Transfusion Medicine Services

**Peter I. Lobo, MD**  
Associate Professor  
Medicine/Nephrology

**Judy C. Kauffman, RN, BSN, CNN**  
Clinical Director  
Renal Services

**B. Gail Macik, MD**  
Associate Professor of Medicine and  
Pathology  
Section Chief, Coagulation

**Amanda Morris, CPC**  
Billing Quality Educator  
Health Services Foundation

**Emaad Abdel-Rahman, MD, PhD**  
Associate Professor  
Section Chief  
UVA Augusta Medical Center  
Renal Services

**Gay Wehrli, MD, MEd**  
Assistant Professor/Pathology  
Associate Medical Director of Blood Bank  
and  
Transfusion Medicine Services

### COURSE DIRECTOR

**Rasheed A. Balogun, MD, FACP, FASN,  
HP(ASCP)**  
Associate Professor of Medicine  
Medical Director, Renal Unit &  
Extracorporeal Therapies  
(Apheresis Program)

**REGISTRATION FORM**

**Therapeutic Apheresis Academy 2009**

Jordan Hall Conference Center , Charlottesville, VA  
September 24-26, 2009

**Please PRINT legibly to ensure accuracy.**

*Please visit our website, [www.cmevillage.com](http://www.cmevillage.com) , to see if online registration is available for this conference. **Pre-registration for this conference will close two business days (three days for online registrations) prior to the conference date. Please call to confirm that onsite registration will be available.***

Mr. Mrs. Ms. Dr. First Name: \_\_\_\_\_ M.I.: \_\_\_\_\_ Last Name: \_\_\_\_\_

Credentials: (MD, PhD, RN, etc.): \_\_\_\_\_ Specialty: \_\_\_\_\_

Affiliation/Business./Organization: \_\_\_\_\_

Primary Address: This is:  home  work

Street \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_ Zip: \_\_\_\_\_

Country: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

**Please print clearly for successful email delivery of your confirmation letter.**

Are you an employee of the University of Virginia?  Yes  No

Are you a resident physician?  Yes  No Are you a fellow?  Yes  No

Do you require special assistance because of a disability, or have any dietary restrictions? If so, please describe: \_\_\_\_\_

Birth date (required for tracking CME credits/CEU): \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

**REGISTRATION FEES**

The registration fee covers syllabus materials, breakfast, lunch, and breaks. It does NOT cover parking. Please go to [www.cmevillage.com](http://www.cmevillage.com) for parking directions and maps.

**Lecture and Simulation Lab.....\$275**

**OR**

**Lecture Only.....\$200**

**Thursday Dinner (Limited space available).....\$45**

**Thursday Dinner/Guest (Limited space available).....\$45**

**Total .....**

Payment is required with registration. An exception is made for institutional checks; however, these must be received at least 4 days prior to the scheduled CME activity. **If payment is not received by the deadline, you will NOT be registered for the conference.** You will receive written confirmation (by email) upon receipt of your payment.

**PAYMENT OPTIONS**

Check or money order made payable to "UVA-CME." Please indicate the name of the conference on your check.

Charge payment to:

Visa  MasterCard  American Express  Discover

Your credit card number: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Expiration date \_\_\_\_\_ Signature: \_\_\_\_\_

**SEND REGISTRATIONS TO:**

Bebe Moore, Registrar, \*\*\* Therapeutic Apheresis \*\*\*  
Office of Continuing Medical Education, P.O. Box 800711  
University of Virginia School of Medicine, McKim Hall  
Charlottesville, VA 22908

Tel: (434) 924-5310, Fax: (434) 243-6393, MIRS Tel: 1-800-552-3723