

University of Virginia Health System presents

# Therapeutic Apheresis Academy 2016

September 21-23, 2016

**Jordan Hall Conference Center, University of Virginia Health System**

Provided by the Office of Continuing Medical Education,  
University of Virginia School of Medicine



The distinguished faculty is comprised of renowned experts selected to provide an interactive, multidisciplinary, and interprofessional educational program.

Educational program developed in cooperation with the American Society for Apheresis.



**UNIVERSITY**  
*of* **VIRGINIA**  
**HEALTH SYSTEM**

**COURSE DIRECTOR**

Rasheed A. Balogun,  
MD, FACP, FASN, HP (ASCP)  
University of Virginia Health System  
Division of Nephrology

## COURSE OVERVIEW

The Therapeutic Apheresis Academy is a multidisciplinary 2½ day course for physicians in nephrology, hematology, pathology/blood banking, and other allied health professionals with an interest in therapeutic apheresis. This conference will build upon previously established interprofessional learning using modern learning techniques. The small group and fully interactive Wednesday demonstration workshops will showcase clinical applications and provide an opportunity to glean practical tips from expert practitioners. The interactive didactic sessions on Thursday and Friday will present an overview of current practice and information on building a new therapeutic apheresis service.

## 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 live activity for a maximum of **14 AMA PRA Category 1 Credits™** for the didactic sessions and **3.25 AMA PRA Category 1 Credits™** for the lab workshop. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The University of Virginia School of Medicine awards 14 hours of participation for the didactic sessions and 3.25 hours of participation for the lab workshop to each non-physician participant who successfully completes this educational activity. The University of Virginia School of Medicine maintains a record of participation for six (6) years.

The University of Virginia School of Nursing Continuing Education is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

The University of Virginia SONCE awards 14 contact hours for the didactic sessions and 3.25 contact hours for the lab workshop for nurses who participate in this educational activity and complete the post activity evaluation.

## LOCATION

This course will be held in the Jordan Hall Conference Center at the University of Virginia Health Sciences Center. The Jordan Hall Conference Center is located on Jefferson Park Avenue.

## PARKING

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. To read more about Parking Information, please go to our website: [www.cmevillage.com](http://www.cmevillage.com).

## ACCOMMODATIONS

Rooms have been reserved at the Graduate Charlottesville and will be available on a first come, first served basis. Hotel parking is available, and the hotel is just two blocks from the conference site. Attendees will need to make their own reservations by calling **1-434-295-4333 option 1** or reserving online <http://tiny.cc/TAA2016> with the group code, TAA. Please make your reservation by August 22, 2016 to take advantage of the group rate of \$119 per night (+taxes).

## CONTACT INFORMATION

Please contact Andrea Zimmerman in the Office of Continuing Medical Education with any questions regarding this activity ([azimmerman@virginia.edu](mailto:azimmerman@virginia.edu), 434.924.5310).

## REGISTRATION

Registration is available only online at [www.cmevillage.com](http://www.cmevillage.com). Visit our website and click on “Conferences & Symposia”.

The Didactic Only registration fee provides admittance to the Thursday and Friday didactic educational programs and materials, breakfast, lunch, and breaks, and the exhibitor tables for all registrants.

The Demonstration Workshop registration fee additionally provides admittance to the Wednesday hands-on Demonstration Workshop. The workshop is open to a limited number of participants, and a waitlist will be in effect after the lab is full.

To register for this activity, please visit [www.cmevillage.com](http://www.cmevillage.com)

REGISTRATION FEES	Before 8/5/16	8/5/16-9/13/16	Registration Closes 9/13/16 WALK IN Rate
Physician	\$475.00	\$575.00	\$650.00
Other HCP or Resident/Fellow	\$375.00	\$475.00	\$550.00
Lab/Demonstration Workshop	\$75.00	\$75.00	Not available

### Attention UVA Faculty & Staff

*To apply for your UVA educational benefits to be reimbursed :*

**UVA academic employees:** [www.hr.virginia.edu/hr-for-you/university-staff/university-staff-benefits/education-benefits/](http://www.hr.virginia.edu/hr-for-you/university-staff/university-staff-benefits/education-benefits/)

**UVA Medical Center employees:** [www.healthsystem.virginia.edu/pub/human-resources/benefits-perks/education-benefits/educational-assistance.html](http://www.healthsystem.virginia.edu/pub/human-resources/benefits-perks/education-benefits/educational-assistance.html)

## EDUCATIONAL OBJECTIVES

*At the end of the main conference, participants should be able to:*

1. Discuss current clinical indications for therapeutic apheresis
2. Have updated knowledge of the new (summer 2016) guidelines in Apheresis Medicine
3. Address Apheresis Medicine concerns specific to pediatric patients
4. Apply clinical and administrative knowledge necessary to set up and run a Therapeutic Apheresis Service
5. Describe the attributes of varying types of apheresis equipment
6. Understand and compare duties of each member of the Therapeutic Apheresis team in hospital based versus travelling Apheresis Units

*At the end of the laboratory experience, participants will be able to:*

- 1) Distinguish and differentiate procedures performed by several classes of therapeutic apheresis instrument modalities: (a) centrifugation, (b) column (filtration) and (c) centrifugation + irradiation.
- 2) Elucidate patient information required for procedures performed on each class of instrument.
- 3) Describe the vascular access options and requirements as these relate to patient, procedure and instrument.
- 4) Describe the blood pathway from access through processing and returning to the patient for the various procedures and instruments.
- 5) Identify instrument parameters which can be adjusted

## Wednesday, September 21, 2016

# AGENDA

Syllabus will be provided online  
only at [www.cmevillage.com](http://www.cmevillage.com)

- 2:30 Registration and Sign-in  
2:45 Welcome and Introduction to the Workshop  
*Rasheed A. Balogun, MD*  
3:00-3:35 / 3:35-4:10 / 4:10-4:45 / 4:45-5:20 / 5:20-5:55  
*The workshop participants will spend 35 minutes at each of the five stations described below.*  
**By the end of this workshop the participant should be able to:**
1. Distinguish and differentiate procedures performed by several classes of therapeutic apheresis instrument modalities:  
(1) centrifugation, (2) column (filtration) and (3) centrifugation + irradiation.
  2. Elucidate patient information required for procedures performed on each class of instrument.
  3. Describe the vascular access options and requirements as these relate to patient, procedure and instrument.
  4. Describe the blood pathway from access through processing and return to the patient for the various procedures and instruments.
  5. Identify instrument parameters which can be adjusted by the operator during a procedure.

### Station Descriptions

- 1 Centrifugation based Therapeutic Apheresis (Instrument 1)  
*Cynthia McMillan, RN*
  - 2 Centrifugation based Therapeutic Apheresis (Instrument 2)  
*Martina Odusanya, RN*
  - 3 Centrifugation + Irradiation (Extracorporeal Photopheresis)  
*Laura Collins RN, BSN, HP(ASCP), Jill Adamski MD, PhD*
  - 4 Column (filtration) based Therapeutic Apheresis  
*Rasheed A. Balogun, MD, Judy C. Kauffman, RN*
  - 5 Vascular Access  
*Kambiz Kalantari, MD*
- 5:55 Closing Comments  
*Rasheed A. Balogun, MD*  
6:00 Adjourn

## Thursday, September 22, 2016

- 7:15 Registration & Breakfast  
8:00 Welcome  
*Mark D. Okusa, MD; Chief, Division of Nephrology & Director, CIIR*  
8:05 I: Therapeutic Apheresis Medicine; The Basics  
*Rasheed A. Balogun, MD*  
8:10 Conventional Therapeutic Apheresis: An Overview  
*David Ward, MD*  
8:55 Selective Therapeutic Apheresis: An Overview  
*Andre Kaplan, MD*  
9:40 Questions and Answers  
9:50 Break: Meet the Exhibitors  
10:10 2016 Guidelines on the use of therapeutic apheresis in clinical practice – an evidence-based approach.  
*Beth Shaz, MD*  
10:55 The Machines. Apheresis Hardware and Technology  
*Dobri Kiprovi MD, PhD*  
11:40 Questions and Answers  
12:00 Lunch - Provided  
1:00 II: Clinical Applications – Part 1  
*Gayle Vranic, MD*  
1:05 Renal Indications for the Therapeutic Apheresis Medicine  
*Andre Kaplan, MD*  
1:50 Medications; Dosage and Adjustments in Therapeutic Apheresis Medicine  
*Rami B. Ibrahim, Pharm D*  
2:35 Questions and Answers  
2:50 Break: Meet the Exhibitors  
3:10 Hematological Indications for Therapeutic Apheresis  
*Tamila L. Kindwall-Keller, DO*  
3:55 Apheresis Support in Renal Transplantation Medicine  
*Gayle Vranic, MD*

- 4:40 Questions & Answers
- 4:50 Closing Comments  
*Rasheed A Balogun, MD*
- 5:00 Adjourn

## Friday, September 23, 2016

- 7:30 Registration & Breakfast
- 8:00 Welcome  
*Rasheed A. Balogun, MD*
- 8:05 III: Clinical Applications- Part 2  
*Rasheed A. Balogun, MD*
- 8:10 Clinical Trials in Apheresis Medicine; Past and Present  
*Andre Kaplan, MD*
- 8:55 Therapeutic Apheresis for Neurological Disorders  
*Kelly Gwathmey, MD*
- 9:40 Questions and Answers
- 9:55 Break: Meet the Exhibitors
- 10:15 Patient-Machine Connection. Vascular Access Options for Apheresis Medicine  
*Kambiz Kalantari, MD*
- 11:00 IV: Therapeutic Apheresis in Special Patient Cohorts  
*Kambiz Kalantari, MD*
- 11:05 Extracorporeal Photopheresis: Technique and Established Clinical Uses  
*Jill Adamski MD, PhD*
- 11:50 Questions and Answers
- 12:00 Lunch - Provided
- 1:00 LDL-Apheresis; Technique, Indications and Proven Successes  
*David Ward, MD*
- 1:50 Therapeutic Apheresis in Children: Special Considerations.  
*Edward Wong, MD*
- 2:35 Questions and Answers
- 2:45 Break: Meet the Exhibitors
- 3:05 V: Anatomy of a Therapeutic Apheresis Service  
*Rasheed A. Balogun, MD*
- 3:10 Therapeutic Apheresis Service Models; Comparison of In-House and Travelling Apheresis Services  
*Beth Shaz, MD*
- 3:40 Comparison of In-House and Travelling Apheresis Services; The Hemapheresis Practitioner Role  
*Judy Kauffman, RN, Laura Collins, RN*
- 4:10 Professional Billing and Reimbursement for Therapeutic Apheresis: Money Matters  
*Rasheed A. Balogun, MD*
- 4:40 Questions and Answers
- 4:50 Closing Comments  
*Rasheed A. Balogun, MD*
- 5:00 Adjourn

### Wednesday, September 21, 2016 - Demonstration Workshop (additional cost)

- Identify instrument parameters which can be adjusted by the operator during a procedure.
- Distinguish and differentiate procedures performed by several classes of dialysis and therapeutic apheresis instrument modalities: (1) centrifugation, (2) column (filtration) and (3) centrifugation + irradiation.
- Elucidate patient information required for procedures performed on each class of instrument.
- Describe the vascular access options and requirements as these relate to patient, procedure and instrument.
- Describe the blood pathway from access through processing and return to the patient for the various procedures and instruments

# FACULTY

**Jill Adamski MD, PhD**  
Mayo Clinic

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**Kelly Gwathmey, MD**  
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**Rami B. Ibrahim, MSc, PharmD, BCPS, BCOP**  
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**Andre Kaplan, MD**  
University of Connecticut Health Center

**Kambiz Kalantari, MD**  
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**Judy C. Kauffman, MSN, RN, CNN\***  
University of Virginia Health System

**Tamila L. Kindwall-Keller, DO\***  
University of Virginia Health System

**Dobri Kiproff, MD**  
California Pacific Medical Center

**Cynthia McMillan, RN**  
University of Virginia Health System

**Martina Odusanya, RN**  
University of Virginia Health System

**Mark D. Okusa, MD**  
University of Virginia Health System

**Beth Shaz, MD**  
New York Blood Center

**Gayle Vranic, MD\***  
University of Virginia Health System

**David M. Ward, MD, FRCP (Glasg), HP(ASCP)**  
University of California San Diego

**Edward Wong, MD**  
Children's National Medical Center

*\*planning committee*