

University of Virginia Health System presents

## Therapeutic Apheresis Academy

### 2015

October 1-3, 2015

Gaylord National Resort and Conference Center, National Harbor, MD



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 interactive Friday didactic sessions will present an overview of current practice and information on building a new therapeutic apheresis service. The small group and fully interactive Saturday demonstration workshops will showcase clinical applications and provide an opportunity to glean practical tips from expert practitioners.

## **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 *13 AMA PRA Category 1 Credits™* 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.

## **HOURS OF PARTICIPATION STATEMENT**

The University of Virginia School of Medicine awards 16 hours of participation (equivalent to 13 AMA PRA Category 1 Credits ) for the didactic sessions and 3 hours of participation for the Saturday workshop) to each non-physician participant who successfully completes this educational activity. The University of Virginia School of Medicine maintains a permanent record of participation for six (6) years.

## **ATTENDANCE**

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. Participants are responsible for accurately tracking their actual participation at live events.

## **LOCATION**

This activity will be held at the Gaylord National Resort and Conference Center, 201 Waterfront Street, National Harbor, Maryland.

## **PARKING**

Onsite parking is available for \$24/day.

## **ACCOMMODATIONS**

Rooms have been reserved at the Gaylord National Resort and Conference Center, 201 Waterfront Street, National Harbor, Maryland. To ensure that you receive the conference rate of \$235/night, please book your hotel reservation online before Wednesday, August 27, 2015 at:

Rooms are available on a first-come, first-serve basis. Attendees making reservations by telephone (877-491-0468) should use the group name "UVATherapeutic Apheresis Academy."

## **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.

## CONTACT INFORMATION

For questions regarding this activity, please contact Office of Continuing Medical Education  
Jann Balmer PhD at [jbalmmer@virginia.edu](mailto:jbalmmer@virginia.edu)

## REGISTRATION AND FEES

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 Didactic & Demonstration Workshop registration fee additionally provides admittance to the Saturday hands-on Demonstration Workshop. To register for this activity, please visit [www.cmevillage.com](http://www.cmevillage.com)

### After Aug 1st

Physician .....	\$475.00	.....	\$575.00
Other HCP .....	\$375.00	.....	\$475.00
Resident/Fellow.....	\$375.00	.....	\$475.00
Lab.....	\$75.00	.....	\$75.00

*Registration will close Monday 9/21/15*

## CONFIRMATION & CANCELLATION POLICY

Upon receipt of registration and payment, you will receive an email confirmation.

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 14 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.

## DIDACTIC LEARNING OBJECTIVES

*Upon completion of the didactic sessions, the participant should be able to:*

At the end of the main conference, participants should 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 techniques that minimize adverse events
5. Describe the attributes of varying types of apheresis equipment

*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 by the operator during a procedure.

## Thursday, Oct 1, 2015

# AGENDA

- 8:00 Welcome  
*Rasheed A Balogun, MD*
- 8:05 I: Therapeutic Apheresis Medicine; The Basics  
*Rasheed A Balogun, MD*
- 8:10 Therapeutic Apheresis Medicine: An Overview  
*David Ward, MD*
- 8:55 Therapeutic Apheresis Hardware & Technology  
*Dobri Kiprof, MD*
- 9:40 Questions and Answers
- 9:50 Break: Meet the Exhibitors
- 10:10 Guidelines on the Use of Therapeutic Apheresis in Clinical Practice – An Evidence-Based Approach: A Preview of the 2016 Special Issue.  
*Joseph “Yossi” Schwartz, MD*
- 10:55 Behind the Scenes in the Blood Bank: When Plasma/RBC are Used for Replacement During Apheresis Procedures  
*Jill Adamski MD, PhD*
- 11:40 Questions and Answers
- 12:00 Lunch - Provided
- 1:00 II: Clinical Applications – Part 1  
*Gayle Vranic, MD*
- 1:05 Thrombotic Thrombocytopenic Purpura: Pathophysiology, Diagnosis and Management  
*Rasheed A Balogun, MD*
- 1:50 Renal Indications for the Therapeutic Apheresis Medicine; A Core Curriculum  
*Andre Kaplan, MD*
- 2:35 Questions and Answers
- 2:50 Break: Meet the Exhibitors
- 3:10 Adoptive Immunotherapy for Renal Cancer  
*Tamila L Kindwall-Keller*
- 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, Oct 2, 2015

- 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  
*Kelley Gwathmey, MD*
- 9:40 Questions and Answers
- 9:55 Break: Meet the Exhibitors
- 10:15 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
- 1:00
- 1:05 Lipid 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 Starting a New Therapeutic Apheresis Service in a Resource Poor Setting;  
*Fatiu Arogundade, MD*

- 3:40 Challenging Apheresis Procedures; Simultaneous Ventricular Assist Device, ECMO, CRRT  
*Judy Kauffman, 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

## Saturday, October 3, 2015

- 8:30 Sign-in and Breakfast
- 8:45 Welcome and Introduction to the Workshop  
*Rasheed Balogun, MD*
- 9:00-9:35 / 9:35-10:10 / 10:10-10:45 / 0:45-11:20 / 11:20-11:55  
*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) *Ted Pearson, RN*
  - 2 Centrifugation based Therapeutic Apheresis (Instrument 2)  
*Martina Odusanya, RN*
  - 3 Centrifugation + Irradiation (Extracorporeal Photopheresis)  
*Jill Adamski MD, PhD*
  - 4 Column (filtration) based Therapeutic Apheresis  
*Rasheed Balogun, MD, Judy C. Kauffman, RN;*
  - 5 Vascular Access  
*Gayle Vranic, MD, Istifanus B Bosan, MD*
- 11:55 Closing Comments  
*Rasheed Balogun, MD*
- 12:00 Adjourn

### Saturday, October 3, 2015 - 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

## Invited Faculty & Organizing Committees

**Jill Adamski MD, PhD**  
Mayo Clinic

**Fatiu A. Arogundade, MBBS, FMCP, FWACP, ISN Fellow<sup>†</sup>**  
Obafemi Awolowo University

**Rasheed A. Balogun, MD, FACP, FASN, HP (ASCP)<sup>\*</sup>**  
University of Virginia Health System

**Istifanus Bosan, MD**  
Ahmadu Bello University, Zaria

**Kelley Gwathmey, MD**  
University of Virginia Health System

**Kambiz Kalantari, MD**  
University of Virginia Health System

**Andre Kaplan, MD<sup>\*</sup>**  
University of Connecticut Health Center

**Judy C. Kauffman, MSN, RN, CNN<sup>\*</sup>**  
University of Virginia Health System

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

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

**Ted H. Pearson, RN**  
University of Virginia Health System

**Joseph “Yossi” Schwartz, MD, MPH**  
Columbia University

**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

### 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 participant. 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.