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.

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.

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, 434.924.5310).
REGISTRATION
Registration is available only online at 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

REGISTRATION FEES

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<thead>
<tr>
<th></th>
<th>Before 8/5/16</th>
<th>8/5/16-9/13/16</th>
<th>Registration Closes 9/13/16</th>
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<tr>
<td>Physician</td>
<td>$475.00</td>
<td>$575.00</td>
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<td>Other HCP or Resident/Fellow</td>
<td>$375.00</td>
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<td>Lab/Demonstration Workshop</td>
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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/
UVA Medical Center employees: 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

Registration and Sign-in

Welcome and Introduction to the Workshop
Rasheed A. Balogun, MD

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

Closing Comments
Rasheed A. Balogun, MD

Thursday, September 22, 2016

Registration & Breakfast

Welcome
Mark D. Okusa, MD; Chief, Division of Nephrology & Director, CIIR

I: Therapeutic Apheresis Medicine; The Basics
Rasheed A. Balogun, MD

Conventional Therapeutic Apheresis: An Overview
David Ward, MD

Selective Therapeutic Apheresis: An Overview
Andre Kaplan, MD

Questions and Answers

Break: Meet the Exhibitors

Beth Shaz, MD

The Machines. Apheresis Hardware and Technology
Dobri Kiprov MD, PhD

Questions and Answers

Lunch - Provided

II: Clinical Applications – Part 1
Gayle Vranic, MD

Renal Indications for the Therapeutic Apheresis Medicine
Andre Kaplan, MD

Medications; Dosage and Adjustments in Therapeutic Apheresis Medicine
Rami B. Ibrahim, Pharm D

Questions and Answers

Break: Meet the Exhibitors

Hematological Indications for Therapeutic Apheresis
Tamila L. Kindwall-Keller, DO

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 Gwathney, 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

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Mayo Clinic

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Kelly Gwathmey, MD
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Andre Kaplan, MD
University of Connecticut Health Center

Kambiz Kalantari, MD
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Dobri Kiprov, MD
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Cynthia McMillan, RN
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Martina Odusanya, RN
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Mark D. Okusa, MD
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Beth Shaz, MD
New York Blood Center

Gayle Vranic, MD*
University of Virginia Health System

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University of California San Diego

Edward Wong, MD
Children's National Medical Center

*planning committee