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.
EDUCATIONAL OBJECTIVES

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

1. List examples of current clinical indications for therapeutic apheresis in each of our existing categories
2. Have updated knowledge of the most recent (summer 2019) guidelines for clinical use of Apheresis Medicine
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. 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
FRIDAY, SEPTEMBER 13, 2019

7:00  Registration, Meet the Exhibitors, Breakfast (provided)
8:00  WELCOME
8:05  III: Clinical Applications—Part 2. What's New? Rasheed Balogun, MD  Chair
8:10  2019 Evidence based Recommendations for Therapeutic Apheresis Medicine: the “ASFA Guidelines” Yanyun Wu, MD, PhD
8:55  Novel Additional Therapies for a Thrombotic Thrombocytopenic Purpura: Plasma Exchange and anti-vWF Nanobody Andre Kaplan, MD
9:40  Questions and Answers
9:50  Break: Meet the Exhibitors
10:10 Precision Medicine Meets Apheresis Medicine: Novel Immunotherapy for Cancer with Chimeric Antigen Receptor Cells David Ward, MD
10:50 IV: Therapeutic Apheresis in Special Patient Cohorts Tamila Kindwall-Keller DO Chair
10:55 Extracorporeal Photopheresis: Past, Present and Future Amber Sanchez, MD
11:40 Questions and Answers
12:00 Lunch
1:05 Lipoprotein Apheresis: Technique, Indications and Proven Successes David Ward, MD
1:50 Drug Overdose, Poisoning and Envenomation: Lesser Known Indications for Apheresis Rescue. Joshua King MD
2:35 Questions and Answers
2:45 Break: Meet the Exhibitors
3:05 V: Anatomy of a Therapeutic Apheresis Service Rasheed Balogun, MD Chair
3:10 Different Models of Apheresis Services. In-House vs. Travelling Units: A Dialogue Tamila Kindwall-Keller, DO and Rasheed Balogun, MD
3:40 All for the Children: Pediatric Therapeutic Apheresis Medicine. What to do and What not to do. Practical Examples of Challenges and Solutions. Volker Witt, MD
4:10 A Guide to Clinical Documentation, Professional Billing and Reimbursement for Therapeutic Apheresis Rasheed Balogun, MD
4:40 Questions and Answers
4:50 Closing Comments Rasheed Balogun, MD
5:00 Adjourn

SATURDAY, SEPTEMBER 14, 2019

8:30  Sign-in and Breakfast (provided)
8:45  WELCOME AND INTRODUCTION TO THE WORKSHOP Rasheed Balogun, MD
9:00  The workshop participants will spend 35 minutes at each of the 5 stations described below.
1  Centrifugation based Therapeutic Apheresis (Instrument 1) Renee Harris, MSN and Amber Lanter RN
2  Centrifugation based Therapeutic Apheresis (Instrument 2) Martina Odusanya, RN
3  Centrifugation + Irradiation (Extracorporeal Photopheresis) Amber Sanchez, MD and Yanyun Wu, MD, PhD
4  Column (filtration) based Therapeutic Apheresis Rasheed Balogun, MD
5  Vascular Access Joshua King, MD
11:55 Closing Comments Rasheed Balogun, MD
12:00 Adjourn
COURSE FACULTY
(*planning committee)

Rasheed A Balogun, MD, FACP, FASN, HP (ASCP)*
Professor, Medicine
University of Virginia Health System

Renee Harris,MSN, RN, CNN
Clinician IV,
University of Virginia Health System

Andre Kaplan, MD
Professor, Medicine
University of Connecticut Health Center

Judy C Kauffman, DNP, RN, CNN*
Director of Patient Care Services,
Sentara Martha Jefferson Hospital
(Nursing Content Specialist)

Sana Khan, MD*
Assistant Professor, Medicine
University of Virginia Health System

Tamila L Kindwall-Keller, DO*
Associate Professor, Medicine,
University of Virginia Health System

Joshua D King, MD
Assistant Professor, Medicine and Pharmacy,
University of Maryland; Medical Director, Maryland Poison Center

Amber E Lanter, RN, BSN, CNN
Clinician IV,
University of Virginia Health System

Kathryn B Reid, PhD, APRN, FNP-BC, CNL*
Associate Professor, Nursing,
University of Virginia Health System
(Nurse Planner)

Amber P Sanchez, MD
Associate Professor, Clinical Medicine,
University of California San Diego

Leonid Volodin, MBBS
Assistant Professor, Medicine,
University of Virginia Health System

Gayle M Vranic, MD, MA
Assistant Professor, Surgery,
MedStar Georgetown Transplant Institute; Transplant Nephrology,
MedStar Georgetown University Hospital

David M Ward, MD, FRCP (Glasg), HP (ASCP)
Emeritus Professor, Clinical Medicine,
University of California San Diego

Volkert Witt, MD
Attending Physician, Pediatric ICU, Pediatric Hematology and Oncology, Stem Cell Transplantation Unit, Head of Apheresis Unit, Commissioner of Blood Depot St. Anna Children’s Hospital, Vienna, Austria

Yanyun Wu, MD, PhD
Chief Medical Officer,
Bloodworks Northwest

Andrea Zimmerman, EdD*
Learning Engineer,
Continuing Medical Education,
University of Virginia Health System

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 a participant who successfully completes this educational activity. The University of Virginia School of Medicine maintains a record of participation for six (6) years.

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.

UVA School of Nursing Continuing Education awards 14 contact hours for the didactic sessions and 3.25 contact hours for nurses who participate in this educational activity and complete the post activity evaluation.

REGISTRATION
Registration is available only online at www.cmevillage.com. Visit the Learning Portal or Events Calendar on our website to register. The syllabus will be available online only the week of the conference until 30 days after the conference.

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. The workshop is open to a limited number of participants, and a waitlist will be in effect after the lab is full.

REGISTRATION FEES

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<th>Registration Package</th>
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LOCATION
This course will be held at the Washington Marriott Wardman Park, 2660 Woodley Road NW, Washington, District Of Columbia 20008 USA by the Woodley Park-Zoo Adams Morgan Metro Station. Visit http://tiny.cc/TAA2019 for directions, local attractions, and parking information.

ACCOMMODATIONS
A block of hotel rooms have been reserved and will be available on a first come, first served basis. Attendees will need to make their own reservations with the group name, UVA Therapeutic Apheresis Academy.

WASHINGTON MARRIOTT WARDMAN PARK
Reservations must be made on or before August 14, 2019 to receive the discounted rate of $189 (+tax) for king and $209 (+tax) for double rooms. First come, first served reservations can be made by calling 1-877-212-5752 (central reservations) or visiting http://tiny.cc/TAAhotel.

CONTACT INFO
Office of Continuing Medical Education
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