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21

TECHNOLOGY IN APHERESIS

VIRTUAL MEETING • MAY 12-15, 2021

FINAL PROGRAM

TABLE OF CONTENTS

Welcome from the President and Conference Chair	3
Continuing Education Credit Information	5
Awards	9
Program	11
On-demand Sessions	19
Poster Abstract Listings	20

WELCOME FROM THE PRESIDENT

On behalf of the ASFA Board of Directors, I am pleased to welcome you to our Society's 42nd Annual Meeting. This past year has been transformational for us as a Society and as individuals. We have navigated the fluctuating needs of our communities, and the radically different collection and transfusion focus with the implementation of CCP. More than any time in recent history, together, we are persevering through turbulent times. For that, I thank all of you.

We are confident that the decision to hold the meeting again on a virtual platform, will help the Society continue to reach our colleagues in all corners of the world and meet the needs of the changing climate. ASFA remains optimistic that we will be able to see each other in person soon, but for now, as we all know, the pandemic is not over, despite vaccination strategies.

The Organizing Committee has again produced an excellent program this year with a wide-ranging and diverse selection of topics, reaffirming ASFA's mission to "advance apheresis medicine for patients, donors and practitioners through education, evidence-based practice, research and advocacy."

The conference theme this year is "Technology in Apheresis" which enables us to take a closer look at worldwide innovation in the field of Apheresis. I am happy to welcome the International Society For Apheresis (ISFA) for a joint scientific session on Wednesday, May 12, and look forward to a plethora of expert lounges, award winning abstracts, engaging presentations and discussions.

Before I close, I would like to thank each of you for attending our conference and bringing your expertise to our gathering. You, as physicians and allied health professionals in the field of apheresis, have the vision, the knowledge and the experience to help us pave our way into the future. You are truly our greatest asset, and we could not accomplish what we do without your support. Throughout this conference, I ask you to stay engaged, keep us proactive and help us shape the future of ASFA. My personal respect and thanks go out to all of you.



A handwritten signature in black ink that reads "A Hagen-Coonradt" with a horizontal line extending to the right.

Antonia Hagen-Coonradt, BSB
President
American Society for Apheresis

WELCOME FROM THE CONFERENCE CHAIR

As President-Elect of the American Society for Apheresis (ASFA), and on behalf of the Board of Directors and 2021 Organizing Committee, I would like to welcome you to our second ASFA Virtual Meeting and I hope that you will be able to join us for this historic opportunity from May 12 – 15, 2021.

The theme of the ASFA 2021 Annual Meeting is Technology in Apheresis. This is an opportunity for us to reflect upon the basic elements of apheresis technology that allow us to separate, collect, modify and remove whole blood fractions for therapy or further manufacture as well as explore the best approaches to incorporate telecommunications technology and other advanced information technologies into our current practice (Telapheresis). So both back to the basics and back to the future of apheresis medicine.

Given the rapidly evolved relative ease of communication and the continued necessity of meaningful cooperation among all apheresis medicine experts, we are extremely pleased to also offer a codeveloped one day scientific symposium with the International Society for Apheresis (ISFA). With ISFA, we will explore the spectrum of apheresis technologies developed in parallel over decades internationally and how all our apheresis technologies have been used during the recent year in a therapeutic manner to combat the COVID crisis.

The meeting this year was designed in a manner to be parsed into modules for greater subject focus and out of respect for virtual participant time constraints. Thursday May 13, 2021 is a day with great attention to addressing current challenges faced by all allied health members such as optimal approaches to obtaining vascular access. Friday morning May 14, 2021 will have a focus on the developing field of cell therapies. Friday afternoon will focus on extracorporeal photopheresis. Saturday morning May 15, 2021 should be of particular interest to apheresis managers. The Organizing Committee has again done a tremendous job bringing you an outstanding program for this Virtual Meeting, and I would like to take this opportunity to thank this group of dedicated individuals who were so very instrumental in putting this program together.

Despite the virtual nature of the program, you will continue to be able to see and participate in live program staples such as selected Education Sessions, Breakfast with the Expert, which are called “Expert Lounges” in the virtual world, a Virtual Poster Reception, as well as a Virtual Exhibit Hall. Most other sessions will be pre-recorded, so you may watch them on demand for six months after the close of the meeting. All sessions are eligible for CEU, CMLE and CME credits.

Please join me in welcoming our sponsors during the meeting as they continue to support us through these troubling and challenging times. Please take the opportunity to introduce yourself in our virtual exhibit hall, where they will have experts available for your questions.

This Spring Virtual Annual Meeting with an ASFA/ISFA joined scientific symposium would not have been possible without the support of the ASFA Head Office. I would like to thank Sharon Leung, our Executive Director, as well as Carla Kmet and Ernest Ho for their organizing talents, tremendous knowledge base, experience, work ethic and flexibility.

I am thankful for this opportunity, and hopeful that next year we will be able to meet at least in part again in person, albeit maybe six feet apart, while also utilizing some of these new ways to communicate we have grown accustomed to during this past year.



Walter Linz, MD, MBA
Conference Chair
President-Elect
American Society for Apheresis

CONTINUING EDUCATION CREDIT INFORMATION

TARGET AUDIENCE

This activity has been designed to meet the educational needs of physicians, allied health professionals and medical students involved with donor and therapeutic apheresis.

The specialties involved include, but are not exclusive of, pathology, hematology, immunology, nephrology, pediatrics, and rheumatology.

CEU

ASFA is approved by the California Board of Registered Nursing, provider number 14122, as a provider of continuing nursing education programs. ASFA designates this event for a maximum of 33 contact hours.

CMLE

This continuing medical laboratory education activity is recognized by the American Society for Clinical Pathology as meeting the criteria for 33 CMLE credit. ASCP CMLE credits are acceptable to meet the continuing education requirement for the ASCP Board of Registry Certification Maintenance Program.

CONTINUING MEDICAL EDUCATION CREDIT INFORMATION

This activity has been planned and implemented in accordance with the accreditation requirements of the Washington State Medical Association through the joint providership of Providence Health Care and the American Society for Apheresis.

Providence Health Care is accredited by the WSMA to provide continuing medical education for physicians. Providence Health Care designates this live activity for a maximum of 33 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This activity meets the criteria for up to 33 hours of Category I CME credit to satisfy the relicensure requirements of the Washington State Medical Quality Assurance Commission.



The meeting evaluation must be completed in order to claim CME/CEU/CMLE Credit. Please note that physicians should claim only the credit commensurate with the extent of their participation in the activity. CME Certificates will be emailed by June 25th, 2021.

INSTRUCTIONS FOR CREDIT

Continuing education credit has been assigned to the following sessions:

- Apheresis Review Session Q&A with the Experts
- Expert Lounges
- Review of Apheresis Technologies
- Innovative Apheresis
- Plenary Abstract Session
- COVID-19 (USA Experience)
- COVID-19 (Asia & Europe Experience)
- Education Session: Innovation in Apheresis
- Education Session: Vascular Access – Tips & Tricks/ Best Practices
- Education Session: ASFA Forum Live – Ask the Experts
- Francis S. Morrison, MD Memorial Lecture
- Abstract Session: Donor Apheresis/Vascular Access
- Cellular Therapy I
- Cellular Therapy II
- Extracorporeal Photopheresis (ECP) I Part One
- Extracorporeal Photopheresis (ECP) I Part Two
- Abstract Session: Therapeutic Apheresis
- Apheresis Patient Experiences and Insights
- Apheresis Management
- On Demand Recordings

ACKNOWLEDGEMENT

The American Society for Apheresis wishes to recognize and thank Mallinckrodt Pharmaceuticals for their ongoing support through an educational grant.

FINANCIAL DISCLOSURES				
SPEAKERS / MODERATORS / DISCUSSANTS / PLANNERS	NOTHING TO DISCLOSE	DISCLOSURE		
		COMPANY	RECEIVED	ROLE
Jill Adamski, MD, PhD		BD	Speaker Fees	BD Internal Education
Amin Alousi, MD		Mallinckrodt Therakos	Research Support Speaker Fee	
Caroline Alquist, MD, PhD, D(ABHI)	X			
Emily Anderson, BSN, RN	X			
Chester Andrzejewski, Jr, PhD, MD		IBM	Proceeds to Hospital	Subject Matter Expert/ Consultant on Hemovigilance
Nicole Aqai, MD	X			
Tomas Armendariz, BSN, RN, QIA(ASCP)	X			
Rasheed Balogun, MD FACP FASN HP(ASCP)	X			
Habiba Bankston	X			
Kevin Barton, MD	X			
Edwin Burgstaler, MT,HP (ASCP)	X			
Frances Carson	X			
Arturo Casadevall, MD, PhD	X			
Jody Chinn, BA	X			
Laurence Clark, MD, FACP	X			
Jennifer G. Collins, RN, BSN, QIA		EDITAS	Consultant Fees	Advisory Consult
Laura Connelly-Smith, MBBCh, DM	X			
Brianna Cunigan, MSN, QIA	X			
NaTonya Daniels, MSN, RN	X			
Nicole De Simone, MD, MPH	X			
Maria Di Mola, RN, BScN	X			
Betty Doggett, AT(ASCP) CM	X			
Kate Douglas, RN	X			
Richard Edelson, MD		Transimunne AG	Stock, No Salary or Proceeds	Founder and Consultant
Yutaka Eguchi, MD, PhD	X			
Leonor Fernando, MD, FACP, QIA	X			
Siobhan Field, RN, BSN, QIA	X			
Michelle Flores, BSN, RN, HP(ASCP)	X			
Alicia K. Garcia, RN, HP	X			
Kira Geile, RN, CPNP	X			
Kathy Grouchy, RN	X			
Antonia Hagen-Coonradt, BSB	X			
Norio Hanafusa, MD, PhD	X			
Margaret Hannan, BS, MSM/OL, CQA (ASCP), QIA	X			
Edward Harris, MS	X			

SPEAKERS / MODERATORS / DISCUSSANTS / PLANNERS	NOTHING TO DISCLOSE	DISCLOSURE		
		COMPANY	RECEIVED	ROLE
Jaleah Hawkins, MD	X			
Charlie Heintschel	X			
Jan Hofmann, MD, MPH, MSc		Fresenius Medical Care	Consulting Fees	Consultant
Carly Howard, BSN, RN, CPN	X			
Kazuma Ikeda, MD, PhD	X			
Tina Ipe, MD, MPH		Terumo Blood and Cell Technologies	Financial	Consultant
Mehraboon Irani, MD	X			
Dani Jackson, BSN, RN, CPN	X			
Sorelle Jefcik, RN	X			
Andrew Johnson, MD	X			
Sarita Joshi, MD, MBBS	X			
Daisuke Katagiri, MD, PhD	X			
Jan T. Kielstein, MD		ExThera Medical	Research Support	
Haewon Kim, MD	X			
Susan Knight, MBA, CNMT, FACHE	X			
Pam Langley, BSc	X			
Susan Leppke, MPH	X			
David Lin, MD, MHA	X			
Michael Linenberger, MD	X			
Walter Linz, MD, MBA	X			
Joel Livingston, MSc, MD, FRCPC	X			
Dona Madola, FRCPA	X			
Robert Maitta, MD, PhD	X			
Marisa Marques, MD	X			
Charles Martz, RN, BMTCN	X			
Amanda McElroy	X			
Yvette Miller, MD	X			
Patrick M. Moriarty, MD		Regeneron Amgen Esperion Kaneka Stage II Innovations/ Renew Novartis Ionis FH Foundation GB Life Sciences Aegerion	Consultant Research Advisor Fee Grant Research Support Genetic Testing Kits	Promotional Speaker
John Nanni	X			
Andrew Nord, PA-C, QIA	X			
Cheryl Pacheco, BSN, RN, CPN, QIA	X			

SPEAKERS / MODERATORS / DISCUSSANTS / PLANNERS	NOTHING TO DISCLOSE	DISCLOSURE		
		COMPANY	RECEIVED	ROLE
Anand Padmanabhan, MD, PhD		Mayo Clinic Versiti Bloodcenter of Wisconsin Retham Technologies/ Therapeutics Veralex Therapeutics	Equity Ownership Employment	Invention Disclosures/Pending Patents/Patents Advisory Board Member
Mike Perez, MD	X			
Theresa Pina	X			
Sharanya Ramakrishnan, MD	X			
Wolfgang Ramlow, MD		Kaneka Pentracor ACR	Consulting and Speaker Fee Consulting and Speaker Fee; Spouse Employee Owner	Advisor and Speaker
Jay Raval, MD		Terumo BCT Sanofi Genzyme	Honoraria	Medical Advisor and Speaker
Peggy Reid, RN, QIA	X			
Bruce Sachais, MD, PhD, QIA	X			
Marisa Saint Martin, MD, ACC	X			
Lyndsey Saunier, RN, CPN	X			
Jennifer Schneiderman, MD, MS	X			
Nataliya Sostin, MD	X			
Walter Stewart, PhD, MPH		Grifols	Hourly Consulting Fees	Consulting on Analysis of RCT Data
Leah Stone, JD	X			
David Stroncek, MD	X			
Laurie Sutor, MD, MBA	X			
Yvette Tanhehco, PhD, MD, MS	X			
April Tiller, BSN, RN, QIA	X			
Teguh Triyono, MD, PhD	X			
James West, BSN, RN, QIA	X			
Kristen Williams, BSN	X			
Jeffrey Winters, MD	X			
Volker Witt, MD	X			
Amelework Wodajo, MSN, APRN, CCRN, AGACNP-BC	X			
Laurie Wolf, BSN, RN, HP(ASCP)	X			
Nina Worel, MD	X			
YanYun Wu, MD, PhD	X			
Evangelia Yannaki, MD, PhD		BlueBirdBio CrispR Therapeutics- Vertex	Advisory and Consulting	Advisory and Consulting
Chisa Yamada, MD	X			
Catherine Zander, PhD	X			

ASFA 2021 AWARD WINNERS

Francis S. Morrison, MD Memorial Lecture Award



CHESTER ANDRZEJEWSKI, JR., PHD, MD

The Francis S. Morrison, MD Memorial Lecture is an annual keynote lecture at the ASFA Annual Meeting. The lecture has been created to keep alive and honour the memory of Francis S. Morrison, MD, a true pioneer in apheresis medicine and a leading apheresis professional. The first lecture was held at the ASFA Meeting in 2002. The Francis S. Morrison, MD Memorial Lecture award is bestowed upon a member of the Society who has made major contributions to the field of apheresis medicine and an apheresis professional who has made a lasting difference in the field, preferably at the national level.

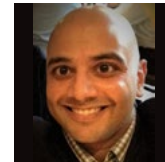
Presidential Award



JOSEPH SCHWARTZ, MD, MPH

The Presidential Award of the American Society for Apheresis is bestowed upon a member of the Society who has consistently made major contributions to, and performed outstanding service for the Society over a number of years. Eligible candidates must have been a member of the Society for at least 5 years at the time of their nomination and cannot be a member of the Board of Directors of the Society at the time of their award. Final determination of the award is made by the Board of Directors.

Lecturer Award



JAY S. RAVAL, MD

The Lecturer Award of the American Society for Apheresis is bestowed upon a member of the Society who has consistently contributed to the Society as a speaker, teacher, or mentor. The nominee may have participated as an invited speaker in symposia or workshops as part of the allied health or scientific program. An appropriate nominee for this award will have repeatedly accepted invitations to appear on the program of the Annual Meeting or will have otherwise taken opportunities, on an ongoing basis, to fulfill the criteria of the Award as mentioned above. Eligible candidates must have been a member of the Society for at least 3 years at the time of their nomination.

SHS Award



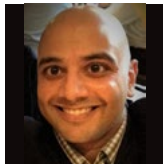
LINDSAY PALOMINO, BSN, RN, HP(ASCP)

The Society for Hemapheresis Specialists was the first national organization in the United States which provided a forum for the professional development of technical specialists in the field of apheresis. In the ensuing decades since the founding of SHS, its members contributed to the maturation of apheresis as a medical specialty and to the growth of the American Society for Apheresis in to the principal platform for organized apheresis activities in North America. This award commemorates the pioneering efforts of SHS which have culminated in the high standards and sophistication which characterize the field of American apheresis. Its recipient is a hemapheresis specialist who has demonstrated

sincere commitment to apheresis and who has emerged as a leader and role model in the field.

Best Abstract Awards

These awards are given to the primary authors of two outstanding abstracts. This year's recipient abstracts are:



JAY S. RAVAL, MD

“The First Report of the American Society for Apheresis Thrombotic Thrombocytopenic Purpura Multi-institutional Registry: 2019-2020”

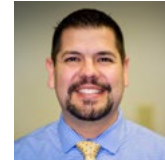


VOLKER WITT, MD

“First Experience With a New Inline System for ECP in Children and Young Adults”

Allied Health Abstract Award

This award is given to the primary author of an outstanding abstract submitted by an allied health professional who is a member of ASFA. This year's recipient abstract is:



TOMAS ARMENDARIZ, BSN, RN, QIA (ASCP)

“Minimizing Waste and Cost of Methoxsalen (UVADEX) in Extracorporeal Photopheresis: a Hospital-based Clinic Approach”

Junior Investigator Abstract Award

This award is given to the primary author of an outstanding abstract submitted by a junior investigator who is a member of ASFA. This year's recipient abstract is:



SHARANYA RAMAKRISHNAN, MD

“Efficacy and Tolerability of Therapeutic Plasma Exchange (TPE) in Patients With Alcohol Related Acute on Chronic Liver Failure (ACLF) - a Case-control Pilot Study”

ASFA 2021 ORGANIZING COMMITTEE

Chair:

Walter Linz, MD, MBA

Planning Members:

Jill Adamski, MD, PhD
 Jaleah Hawkins, MD
 Jennifer Collins, RN, QIA
 Kira Geile, MSN, RN, CPNP

Tomas Armendariz, BSN, RN, CMSRN
 Margaret Hannan, MSM/OL, CQA (ASQ), AT, QIA (ASCP)
 Chisa Yamada, MD
 Antonia Hagen-Coonradt, BSB

Jay Raval, MD
 Laura Connelly-Smith, MBCh, DM

ASFA LEADERSHIP (2020-2021)

Officers



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President
 Vitalant, Billings, MT



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Immediate Past President
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 Mayo Clinic, Jacksonville, FL



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 Fred Hutchinson Cancer Research Center, Seattle, WA



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 Mayo Clinic, Rochester, MN



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 Vitalant, Mesa, AZ



Jennifer Schneiderman, MD, MS
 Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL



Jeffrey L. Winters, MD
Journal of Clinical Apheresis Editor, Ex-Officio
 Mayo Clinic, Rochester, MN

PROGRAM

TUESDAY, MAY 11, 2021

Pre-Conference Day

Time				Session
PT	MT	CT	ET	
7:00am	8:00am	9:00am	10:00am	Apheresis Review Session Q&A with the Experts from 2020 & 2021 <i>Chairs: Peggy Reid, RN & Kira Geile, RN, CPNP</i> <i>(pre-registration with ASFA and additional registration fees required)</i> <i>*free if registered to take the QIA exam</i>
10:00am	11:00am	12:00pm	1:00pm	ASFA Annual General Meeting (ASFA members only) <i>Join us to learn more about ASFA's activities, financials and leadership.</i>

WEDNESDAY, MAY 12, 2021

ASFA/ISFA Joint Scientific Sessions

Time				Session
PT	MT	CT	ET	
5:00am	6:00am	7:00am	8:00am	Expert Lounges <i>Join us for roundtable discussions with experts in the field. First-come, first-served.</i> <i>Capacity limited to 25 per topic.</i>

Topic				Facilitators
Apheresis in Low Resource Settings				Teguh Triyono, MD, PhD
Calcium Supplementation Practices				Andrew Nord, PA-C, QIA
Vascular Access for Pediatric Patients (Spanish)				Robert W. Maitta, MD, PhD
The "Urgent/Emergent" Apheresis Consult 102				Mike Perez, MD
Telemedicine and Apheresis				Jan Hofmann, MD, MPH, MSc
Qualification in Apheresis: Questions and Answers				Antonia Hagen-Coonradt, BSB Marisa B. Marques, MD
How to Develop and Execute a High Yield Survey				Andrew Johnson, MD
TPE For Immunologic Disorders				Sarita Joshi, MD, MBBS
CAR-T: Where Are We Going Next?				Yvette Tanhehco, PhD, MD, MS
The Role of ASFA in Promoting Equity and Diversity in Apheresis Medicine: Let's Get Started!				Nicole Aqvi, MD, Yvette Miller, MD Michael Linenberger, MD
6:00am	7:00am	8:00am	9:00am	Opening Remarks <i>ASFA President, Antonia Hagen-Coonradt, BSB, ASFA President-Elect & Organizing Chair, Walter Linz, MD, MBA, ISFA President, Andre Kaplan, MD</i>
6:05am	7:05am	8:05am	9:05am	Centrifugation Based Apheresis and Extracorporeal Photopheresis <i>Edwin Burgstaler, MT, HP (ASCP)</i>
6:40am	7:40am	8:40am	9:40am	Review of Apheresis Technologies – Adsorption Based <i>Wolfgang Ramlow, MD</i>

WEDNESDAY, MAY 12, 2021 ASFA/ISFA Joint Scientific Sessions

Time				Session
PT	MT	CT	ET	
7:20am	8:20am	9:20am	10:20am	Double Filtration Plasmapheresis – Concept and Clinical Applications <i>Norio Hanafusa, MD, PhD</i>
7:50am	8:50am	9:50am	10:50am	Review of Apheresis Technologies Q&A <i>Chair: Chisa Yamada, MD</i> <i>All Speakers</i>
8:15am	9:15am	10:15am	11:15am	BREAK VISIT THE VIRTUAL EXHIBIT HALL & POSTER HALL
8:15am	9:15am	10:15am	11:15am	Corporate Product Theater
8:45am	9:45am	10:45am	11:45am	Therapeutic Apheresis in Low/Middle Income Countries – Indonesia Experience <i>Teguh Triyono, MD, PhD</i>
9:15am	10:15am	11:15am	12:15pm	Blood Services and Apheresis in Japan <i>Kazuma Ikeda, MD, PhD</i>
9:35am	10:35am	11:35am	12:35pm	Allogeneic Peripheral Blood Stem Cell Apheresis During SARS-CoV-2 Pandemic in Europe <i>Nina Worel, MD</i>
9:55am	10:55am	11:55am	12:55pm	Innovative Therapy/Apheresis Q&A <i>Chair: Chisa Yamada, MD,</i> <i>All Speakers</i>
Plenary Abstract Session				
10:20am	11:20am	12:20pm	1:20pm	The First Report of the American Society for Apheresis Thrombotic Thrombocytopenic Purpura Multi-institutional Registry: 2019-2020 <i>Jay S Raval, MD</i> 
10:35am	11:35am	12:35pm	1:35pm	Plasma Adsorption Column Treatment in Critically Ill COVID-19 Patients: a Single-Center Experience <i>Nicole De Simone, MD</i>
10:50am	11:50am	12:50pm	1:50pm	First Experience With a New Inline System for ECP in Children and Young Adults <i>Volker Witt, MD</i> 
11:05am	12:05pm	1:05pm	2:05pm	Peripheral Blood Hematopoietic Progenitor Stem Cell Collection Outcomes for Sickle Cell Disease Patients Undergoing Gene Therapy <i>Carly Howard, BSN, RN, CPN</i>
11:20am	12:20pm	1:20pm	2:20pm	BREAK VISIT THE VIRTUAL EXHIBIT HALL & POSTER HALL
11:30am	12:30pm	1:30pm	2:30pm	Update on Convalescent Plasma for COVID-19 <i>Arturo Casadevall, MD, PhD</i>
11:50am	12:50pm	1:50pm	2:50pm	COVID-19 Convalescent Plasma: What Do We Know and What Do We Still Need to Learn? <i>Jeffrey L. Winters, MD</i>
12:20pm	1:20pm	2:20pm	3:20pm	US Experience with TPE (Removal of Cytokine, Decrease Serum Viscosity) <i>Nicole De Simone, MD, MPH</i>

WEDNESDAY, MAY 12, 2021

ASFA/ISFA Joint Scientific Sessions

Time				Session
PT	MT	CT	ET	
12:50pm	1:50pm	2:50pm	3:50pm	Updates from ASFA COVID-19 Task Force <i>YanYun Wu, MD, PhD, QIA</i>
1:15pm	2:15pm	3:15pm	4:15pm	BREAK I VISIT THE VIRTUAL EXHIBIT HALL & POSTER HALL
1:45pm	2:45pm	3:45pm	4:45pm	Seraph® 100 Microbind® Adsorber for the Treatment of Critically Ill COVID-19 patients <i>Jan T. Kielstein, MD, FERA, FASN</i>
2:15pm	3:15pm	4:15pm	5:15pm	Direct Hemoperfusion Using Polymyxin B-immobilized Fiber Cartridges (PMX-DHP) for COVID-19 Patients. A Pilot Study. <i>Daisuke Katagiri, MD, PhD, FASN</i>
2:30pm	3:30pm	4:30pm	5:30pm	PMX-DHP for Septic Shock following COVID-19 Pneumonia; A Case Report and How to Operate PMX-DHP Intervention <i>Yutaka Eguchi, MD, PhD</i>
2:45pm	3:45pm	4:45pm	5:45pm	COVID-19 Q&A <i>Chair: Chisa Yamada, MD</i> <i>All Speakers</i>
3:55pm	4:55pm	5:55pm	6:55pm	Closing Remarks <i>ASFA President-Elect & Organizing Chair, Walter Linz, MD, MBA & ISFA President, Andre Kaplan, MD</i>

DAY 1: THURSDAY, MAY 13, 2021

Time				Session
PT	MT	CT	ET	
5:30am	6:30am	7:30am	8:30am	Expert Lounge Join us for roundtable discussions with experts in the field. First-come, first-served. Capacity limited to 25 per topic.
Topic				Facilitators
Role of Advanced Practice Provider				<i>Kira Geile, RN, CPNP</i>
RBCx Program for SCD Patients: Education, Working with the Physician's Office, Orders, Port Access, Exchange Only vs. Exchange/Depletion				<i>April Tiller, BSN, RN, QIA</i>
Pediatric Therapeutic Apheresis (TPE, RBCx, Photo)				<i>Lyndsey Saunier, RN, CPN</i> <i>Kevin Barton, MD</i>
Apheresis and ECMO or Other Tandem procedures				<i>Cheryl Pacheco, BSN, RN, CPN, QIA</i>
Peripheral Vascular Access vs CVC – Making the Switch				<i>Kate Douglas, RN, Kathy Grouchy, RN</i>
Communication with Referring Services Providers				<i>Amelework Wodajo, MSN, APRN, CCRN, AGACNP-BC</i>

DAY 1: THURSDAY, MAY 13, 2021

Time				Session
PT	MT	CT	ET	
Topic				Facilitators
Management of Mobile Apheresis Programs (Staffing, Scheduling, Challenges, Expenses, etc.)				<i>Peggy Reid, RN, QIA</i>
How to Communicate and Comply with Multiple Clinical Trials				<i>Jennifer G. Collins, RN, BSN, QIA</i>
Elements of the Apheresis Medicine Consultation				<i>Walter Linz, MD, MBA</i>
Benefits of Isovolemic Hemodilution RBCx				<i>Haewon Kim, MD</i>
Apheresis Practitioner Wellness				<i>Marisa Saint Martin, MD, ACC</i>
Education Session: Innovation in Apheresis				
6:50am	7:50am	8:50am	9:50am	Opening Remarks & Awards Presentation <i>ASFA President, Antonia Hagen-Coonrad, BSB, ASFA President-Elect & Organizing Chair, Walter Linz, MD, MBA, & Lance Williams, MD</i>
7:05am	8:05am	9:05am	10:05am	Use Of Single Needle Access In Therapeutic Plasma Exchange: A Single Institution's Experience <i>Betty Doggett, AT(ASCP)</i>
7:20am	8:20am	9:20am	10:20am	Moving Away from Dual Access to Single Needle (RBCex, Photopheresis) <i>NaTonya Daniels, MSN, RN & Charlie Martz, RN, BMTCN</i>
7:45am	8:45am	9:45am	10:45am	Update on Lipid-Apheresis <i>Patrick M Moriarty, MD, FACC, FACP</i>
8:35am	9:35am	10:35am	11:35am	BREAK VISIT THE VIRTUAL EXHIBIT HALL & POSTER HALL
Education Session: Vascular Access – Tips & Tricks/Best Practices <i>Chairs: Betty Doggett, AT(ASCP) & Lorna D. Domingo, BSN, RN, MAN</i>				
9:00am	10:00am	11:00am	12:00pm	Part One Demonstration Videos of Powerflow Ports, Ultrasound Guided Venous Access, Central Lines, Standard PIV Access, Standard Implanted Port
9:30am	10:30am	11:30am	12:30pm	Part Two Vascular Access – Tips & Tricks/Best Practices Live Q&A <i>Panelists: Jill Adamski, MD, PhD, Dani Jackson, BSN, RN, CPN, Laurie Wolf, BSN, RN, HP, Siobhan Field, BSN, James West, BSN, RN, QIA</i>
10:45am	11:45am	12:45pm	1:45pm	Corporate Symposium
Education Session: ASFA Forum Live – Ask the Experts <i>Chairs: Peggy Reid, RN, QIA & Maria Di Mola, BScN, RN</i>				
12:00pm	1:00pm	2:00pm	3:00pm	Cell Collections, Therapeutics, and Pediatrics <i>Panelists: Andrew Nord, PA-C, MT(ASCP), QIA, Kira Geile, MSN, RN, CPNP, Laura Connelly-Smith, MBBCh, DM, Mike Perez, MD, Cheryl Pacheco, BSN, RN, CPN, QIA, Margaret M. Hannan, BS, MSM/OL, CGA (ASCP), QIA</i>
1:30pm	2:30pm	3:30pm	4:30pm	BREAK VISIT THE VIRTUAL EXHIBIT HALL & POSTER HALL
1:45pm	2:45pm	3:45pm	4:45pm	Corporate Presentation

DAY 1: THURSDAY, MAY 13, 2021

Time				Session
PT	MT	CT	ET	
2:00pm	3:00pm	4:00pm	5:00pm	Francis S. Morrison, MD Memorial Lecture Apheresis Medicine: E Multis Unum, Ex Uno Multi * ... or Both? <i>Chair: YanYun Wu, MD, PhD, QIA</i> <i>Chester Andrzejewski, Jr., PhD, MD, FCAP</i>
3:00pm	4:00pm	5:00pm	6:00pm	Closing Remarks <i>ASFA President-Elect & Organizing Chair, Walter Linz, MD, MBA</i>
3:15pm	4:15pm	5:15pm	6:15pm	Welcome Reception
4:30pm	5:30pm	6:30pm	7:30pm	Journal of Clinical Apheresis 2023 Special Issue Committee Information Session for Potential Applicants <i>(Pre-Registration Required)</i>

DAY 2: FRIDAY, MAY 14, 2021

Time				Session
PT	MT	CT	ET	
Abstract Session: Donor Apheresis/Vascular Access				
5:00am	6:00am	7:00am	8:00am	Peripheral Venous Catheter Collection of Immune Effector Cells and Hematopoietic Stem Cells Is Feasible and Safe in Older Pediatric Patients <i>Joel Livingston, MSc, MD, FRCPC</i>
5:15am	6:15am	7:15am	8:15am	CD34 Collection Efficiency and Collection Rate by Venous Access and Apheresis Platform <i>Caroline R Alquist, MD, PhD, D(ABHI)</i>
5:30am	6:30am	7:30am	8:30am	Evaluating the Effectiveness of Saline-only Flush for Powerflow® Locking <i>Emily P Anderson, RN, BSN</i>
5:45am	6:45am	7:45am	8:45am	The Frequency and Nature of Incidental Clots and Clot Like Masses During Apheresis and Processing of Cellular Therapy Products: a Single Country Study <i>Dona W Madola, MBBS, FRCPA</i>
6:00am	7:00am	8:00am	9:00am	Expert Lounge <i>Join us for roundtable discussions with experts in the field. First-come, first-served. Capacity limited to 25 per topic.</i>
Topic				Facilitators
Quality and Apheresis (Cell Therapy)				<i>Leonor Fernando, MD, FACP, QIA</i>
Pediatric HPC & MNC				<i>Pam Langley, BSc, Maria Di Mola, RN, BScN</i>
Apheresis Donor Retention Programs				<i>Theresa Pina</i>
MNC Collections – Time to Cure Sickle Cell Disease				<i>Jennifer G. Collins, RN, BSN, QIA</i>


DAY 2: FRIDAY, MAY 14, 2021

Time				Session
PT	MT	CT	ET	
Topic				Facilitators
ECP Treatment Schedule				Jill Adamski, MD, PhD
Staff Training and Competency				Kristen Williams, BSN
Immunotherapy and the Collection of the Unstimulated Donor				Laurie Wolf, BSN, RN, HP(ASCP)
Navigating Multiple Immunotherapy Protocols Using Process Guidelines in Apheresis				Michelle Flores, BSN, RN, HP(ASCP) Jody Chinn, BA
Regulatory Aspects of Immune Effector Cell Collections				Nicole Aqui, MD
ECP Challenges				Amelework Wodajo, MSN, APRN, CCRN, AGACNP-BC
Special Considerations for HPC Collections in Pediatric Population (Spanish)				Robert W. Maitta, MD, PhD
Mini ECP – Latest Developments				Volker Witt, MD
7:00am	8:00am	9:00am	10:00am	Opening Remarks ASFA President-Elect & Organizing Chair, Walter Linz, MD, MBA
Cellular Therapy				
7:05am	8:05am	9:05am	10:05am	The Growing Role of the Apheresis Center in Cellular Therapies David F. Stroncek, MD
7:40am	8:40am	9:40am	10:40am	The Benefit and Development of Standards in Apheresis Cell Collection Catherine B. Zander, PhD
8:05am	9:05am	10:05am	11:05am	BREAK VISIT THE VIRTUAL EXHIBIT HALL & POSTER HALL
8:20am	9:20am	10:20am	11:20am	Corporate Presentation
8:35am	9:35am	10:35am	11:35am	Update on Gene Modification Studies with Focus on Apheresis and Collection of Hematopoietic Stem Cells Evangelia Yannaki, MD, PhD
9:35am	10:35am	11:35am	12:35pm	The Root of Happiness is Altruism – The Stem Cell Donor Experience Michael Linenberger, MD, FACP
10:05am	11:05am	12:05pm	1:05pm	Optimizing Apheresis: HPC and T Cell Collections Anand Padmanabhan, MD, PhD
10:45am	11:45am	12:45pm	1:45pm	Corporate Symposium
Extracorporeal Photopheresis (ECP) Part One				
11:45am	12:45pm	1:45pm	2:45pm	The Decoding ECP's Fundamental Principles Richard L. Edelson, MD
12:07pm	1:07pm	2:07pm	3:07pm	A New Device for Performing In-Line Extracorporeal Photopheresis. Hands-on Experience in Utilizing the Device in a Phase I Clinical Trial Jeffrey L. Winters, MD
12:30pm	1:30pm	2:30pm	3:30pm	Extracorporeal Phototherapy in the Management of Acute Graft-vs.-Host Disease Amin Majid Alousi, MD

DAY 2: FRIDAY, MAY 14, 2021

Time				Session
PT	MT	CT	ET	
12:52pm	1:52pm	2:52pm	3:52pm	The Landscape of Clinical Research for ECP <i>Jennifer Schneiderman, MD, MS</i>
1:20pm	2:20pm	3:20pm	4:20pm	BREAK VISIT THE VIRTUAL EXHIBIT HALL & POSTER HALL
1:35pm	2:35pm	3:35pm	4:35pm	Corporate Presentation
Extracorporeal Photopheresis (ECP) Part Two				
1:50pm	2:50pm	3:50pm	4:50pm	ECP Moderated Discussion <i>Chairs: Jay Raval, MD & Laura Connelly-Smith, MBBCh, DM</i> <i>All Speakers</i>
2:30pm	3:30pm	4:30pm	5:30pm	CELLEX – Technical Talk/Round Table Discussion – Thoughts on Next Steps to ECP <i>Jennifer Collins, BSN, RN, QIA</i>
3:00pm	4:00pm	5:00pm	6:00pm	Closing Remarks <i>ASFA President-Elect & Organizing Chair, Walter Linz, MD, MBA</i>

DAY 3: SATURDAY, MAY 15, 2021

Time				Session
PT	MT	CT	ET	
Abstract Session: Therapeutic Apheresis				
5:00am	6:00am	7:00am	8:00am	Efficacy and Tolerability of Therapeutic Plasma Exchange (TPE) in Patients with Alcohol Related Acute on Chronic Liver Failure (ACLF) - a Case-control Pilot Study <i>Sharanya Ramakrishnan, MD</i> 
5:15am	6:15am	7:15am	8:15am	Plasma Exchange with Albumin Replacement Reduces Caregiver Burden in Alzheimer's Disease Patients <i>Walter Stewart, PhD, MPH</i>
5:30am	6:30am	7:30am	8:30am	Therapeutic Plasma Exchange for Peripheral Neuropathy Associated With TS-HDS IGM Antibodies: a Case Series of 17 Patients <i>Nataliya Sostin, MD</i>
5:45am	6:45am	7:45am	8:45am	Minimizing Waste and Cost of Methoxsalen (UVADEX) in Extracorporeal Photopheresis: a Hospital-based Clinic Approach <i>Tomas Armendariz, BSN, RN, QIA (ASCP)</i> 
6:00am	7:00am	8:00am	9:00am	Opening Remarks <i>ASFA President-Elect & Organizing Chair, Walter Linz, MD, MBA</i>
6:02am	7:02am	8:02am	9:02am	Apheresis Patient/Donor Experiences and Insights <i>Habiba Bankston, Jada Chavez, Edward S. Harris, MS, Charlie Heintschel, John A. Nanni</i>

DAY 3: SATURDAY, MAY 15, 2021

Time				Session
PT	MT	CT	ET	
Apheresis Management				
7:00am	8:00am	9:00am	10:00am	What is NCD 110.14? <i>Larry Clark, MD, FACP</i>
7:30am	8:30am	9:30am	10:30am	1992 NCD 110.14 Q&A <i>Chair: Walter Linz, MD, MBA</i>
7:45am	8:45am	9:45am	10:45am	Essentials of Coding and Reimbursement in Apheresis <i>Jan Hofmann, MD, MPH, MS</i>
8:15am	9:15am	10:15am	11:15am	Status of CPT Code Development for Cellular Therapy <i>Leah M. Stone, JD and Susan N. Leppke, MPH</i>
8:50am	9:50am	10:50am	11:50pm	Apheresis & CPT Codes Q&A <i>Chair: Chester Andrzejewski, Jr., PhD, MD</i>
9:10am	10:10am	11:10am	12:10pm	BREAK
9:40am	10:40am	11:40am	12:40pm	Telapheresis and Development of Apheresis Practice in 21st Century Electronic Environment <i>Walter Linz, MD, MBA, Susan Knight, MBA, CNMT, FACHE, Mehraboon S. Irani, MD, Chester Andrzejewski, Jr., PhD, MD</i>
10:25am	11:25am	12:25pm	1:25pm	Teleapheresis Q&A <i>Chair: Jan Hofmann, MD, MPH, MS</i>
10:35am	11:35am	12:35pm	1:35pm	Closing Remarks <i>ASFA President-Elect & Organizing Chair, Walter Linz, MD, MBA</i>

ON-DEMAND SESSIONS

On Demand Pre-Recorded Sessions	
Education Session: The New FDA Platelet Bacterial Testing Guidance: What's A Blood Collector to Do to Offset Platelet Loss?	<i>Laurie J Sutor, MD, MBA</i>
Education Session: Wellness: An Innovative Plan to Keep Apheresis Staff Engaged	<i>Marisa Saint Martin, MD, ACC, FCAP</i>
Education Session: Peripheral IV Access for Pediatric Chronic Red Blood Cell Exchange in Patients as young as 4 ½ years old	<i>Kate Douglas, RN & Kathy Grouchy, RN</i>

On Demand Education Session: Vascular Access – Tips & Tricks/Best Practices	
Powerflow Apheresis IV Ports	<i>Jill Adamski, MD, PhD</i>
Using Ultrasound to Expand PIV Apheresis Therapy	<i>James West, BBA, BSN, RN, QIA</i>
Central Venous Catheters for Apheresis	<i>Dani Jackson, BSN, RN, CPN</i>
Peripheral Access	<i>Laurie Wolf, BSN, RN, HP(ASCP)</i>
Standard Implanted Port	<i>Siobhan Field, RN, BSN, QIA</i>

POSTER ABSTRACT LISTINGS

Abstract Number	Abstract Title	Presenter
P-1	REAL-WORLD USE OF EXTRACORPOREAL PHOTOPHERESIS AMONG PATIENTS WITH MYCOSIS FUNGOIDS OR SEZARY SYNDROME: ANALYSIS OF A LARGE US COMMERCIAL CLAIMS DATABASE	<i>Xingyue Huang</i>
P-2	THERAPEUTIC PLASMA EXCHANGE FOR STEROID REFRACTORY ANTI-SYNTHEASE SYNDROME WITH INTERSTITIAL LUNG DISEASE	<i>Thomas Zachary Thompson</i>
P-4	THE IMPACT OF FIVE YEAR'S WORTH OF FAILURE: ONE CENTER'S RESTROSPECTIVE STUDY OF APHERESIS DISPOSABLE KIT FAILURE	<i>Jody Chinn, BA</i>
P-5	EXPERIENCE WITH DONOR GRANULOCYTE THERAPY IN HEMATO-ONCOLOGY PATIENTS AT A TERTIARY CARE CENTRE	<i>Divjot Singh Lamba</i>
P-6	EFFICIENCY AND SAFETY OF THE THERAPEUTIC PLASMA EXCHANGE (TPE) PERFORMED IN TANDEM WITH CRRT AND/OR ECMO, EXPERIENCE OF ONE PEDIATRIC CENTER	<i>Lejla Music Aplenc</i>
P-7	PLASMA EXCHANGE – A POTENTIALLY NEGLECTABLE CONCURRENT THERAPY TO RBCX IN PATIENTS WITH SEVERE SICKLE CELL DISEASE	<i>Christopher Webb, MD</i>
P-8	EVALUATION OF A PROPHYLACTIC INTRAOPERATIVE TPE PROTOCOL FOR LUNG TRANSPLANT ANTIBODY MEDIATED REJECTION	<i>Gina L Sotolongo</i>
P-9	FORMULATION OF SUMMARY TEMPLATE FOR LEUKAPHERESIS CLINICAL TRIALS: BRIDGING THE COMMUNICATION GAP	<i>Kyle Gault BSN, RN, CNN, CDN, QIA(ASCP)</i>
P-10	RED CELL DEPLETION EXCHANGE VIA APHERESIS IN PEDIATRIC AND YOUNG ADULT PATIENTS WITH SICKLE CELL DISEASE	<i>Colleen Casacchia, BSN, RN, (HP)ASCP</i>
P-11	THERAPEUTIC PLASMA EXCHANGE USING HEPARIN AS THE ANTICOAGULANT IN A PATIENT WITH CITRATE INDUCED IGM AGGLUTINATION	<i>Rayan Kaedbey, MD FRCPC</i>
P-12	HOSPITAL PRICE TRANSPARENCY RULE APPLIED TO APHERESIS PROCEDURES: A SINGLE-STATE ANALYSIS	<i>Laura Stephens, MD, FCAP, QIA</i>
P-13	COMPARISON OF VALIDATED NEUROLOGICAL OUTCOME INSTRUMENTS TO ASSESS MYASTHENIA GRAVIS IN OUTPATIENTS RECEIVING LONG-TERM THERAPEUTIC PLASMA EXCHANGE: A MULTICENTER QUALITY ASSESSMENT PROJECT	<i>Tina S. Ipe, MD, MPH</i>
P-14	USE OF THERAPEUTIC PLASMA EXCHANGE IN ADOLESCENT AND ADULT PANDAS PATIENTS	<i>Kristina Prus, MD</i>
P-15	IMPLEMENTATION OF A STUDY PROGRAM FOR QUALIFICATION IN APHERESIS (QIA) EXAM DURING COVID-19 PANDEMIC	<i>Kristen Williams, BSN, RN</i>
P-16	TANDEM WITH HEMODIALYSIS AND DFPP: PROCEDURE, EFFICACY, SAFETY, AND COST IN CHRONIC HEMODIALYSIS PATIENT WITH SEVERE DYSLIPIDEMIA	<i>Moranne Olivier</i>
P-17	INCREASED COLLECTION POSSIBILITY OF CD34+ CELLS WITH A SECOND LEUKOCYTAPHERESIS AFTER 24 HOURS MOBILIZATION WITH PREEMPTIVE USE OF A SINGLE DOSE OF PLERIXAFOR	<i>Carlos Castillo-Girón</i>

Abstract Number	Abstract Title	Presenter
P-18	CHOOSING WISELY: REDUCING UNNECESSARY ROUTINE POST APHERESIS PROCEDURE LABORATORY TESTING	<i>Abdulaziz Al Mana</i>
P-19	IRON STATUS IN A COHORT OF CHILDREN WITH SICKLE CELL DISEASE ON CHRONIC RED CELL EXCHANGE	<i>Anthea Greenway, MBBS, FRACP, FRCPA, QIA</i>
P-20	TRENDS IN THERAPEUTIC PLASMA EXCHANGE IN A RESOURCE CONSTRAINT SETTING: A FIVE-YEAR EXPERIENCE OF CLINICAL OUTCOMES	<i>Divya Setya</i>
P-21	STEM CELL MOBILIZATION UNCOVERING A DE NOVO ACUTE LYMPHOBLASTIC LEUKEMIA	<i>Laura Cooling, MD, MS</i>
P-22	LABELING COLLECTION PRODUCTS FOR CELLULAR THERAPY MANUFACTURING	<i>Karen Moniz, MHA, MT(ASCP)SBB</i>
P-23	NURSE-LED ULTRASOUND GUIDED IV CANNULATION: IMPROVING APHERESIS AND THE PATIENT EXPERIENCE	<i>Anna Duncan, RN</i>
P-24	AUSTRALIAN SINGLE CENTRE EXPERIENCE WITH MOBILISATION AND COLLECTION IN PAEDIATRIC PATIENTS POST BLINATUMOMAB WITH GRANULOCYTE CELL STIMULATING FACTOR (GCSF) +/- PLERIXAFOR	<i>Katherine Stephen, BMT, CNC</i>
P-25	CLUMPING AND CLOTTING: IDENTIFYING RISK FACTORS AND REVIEW OF ANTICOAGULATION DURING CMNC PROCEDURE	<i>Zoe Millard</i>
P-26	DURABLE REMISSION OF IMMUNE THROMBOTIC THROMBOCYTOPENIC PURPURA IN THE SETTING OF RECENT PEMBROLIZUMAB THERAPY	<i>Michael Kozak, DO</i>
P-27	IS IRON SUPPLEMENTATION BENEFICIAL FOR PATIENTS WITH SICKLE CELL DISEASE?	<i>Zeinab Moussa, MD</i>
P-28	MULTICENTER APHERESIS DATABASE SURVEY	<i>Rugved Shrikant Pattarkine</i>
P-29	REFINING THE BONE MARROW PROCESSING PROCEDURE TO CREATE A MORE EFFICIENT AND SAFER PRODUCT	<i>Kristen Williams, BSN, RN</i>
P-30	PERIOPERATIVE PLASMAPHERESIS AND THROMBOELASTOGRAPHY MONITORING IN A PATIENT WITH REFRACTORY ACQUIRED FACTOR XIII DEFICIENCY: A CASE REPORT	<i>Joshua Andrew Smith, DO</i>
P-31	DISTRIBUTION OF PORT ACCESS PUNCTURES: AN UNDERLOOKED PRACTICE?	<i>Tomas Armendariz, BSN, RN, QIA (ASCP)</i>
P-32	THERAPEUTIC PLASMA EXCHANGE IN A PATIENT WITH PURE RED CELL APHASIA POST PERIPHERAL BLOOD STEM CELL TRANSPLANT WITH MAJOR ABO MISMATCH	<i>Mariam Ratiani, MD</i>
P-33	THERAPEUTIC PLASMA EXCHANGE IN THE MANAGEMENT OF COLD AUTOIMMUNE HEMOLYTIC ANEMIA ASSOCIATED WITH SARS-COV-2 INFECTION	<i>Chinelo P. Onyenekwu, MD</i>
P-34	ROLE OF THERAPEUTIC APHERESIS IN TREATMENT OF INTRAHEPATIC CHOLESTASIS IN PEDIATRIC SICKLE CELL DISEASE	<i>Amy Johnson, MD</i>
P-35	UTILITY OF ECULIZUMAB IN THROMBOTIC THROMBOCYTOPENIC PURPURA EXACERBATION - A CASE REPORT	<i>Nupur Jadhav</i>
P-36	USE OF EXTRACORPOREAL PHOTOPHERESIS FOR TREATMENT OF ANTIBODY-MEDIATED HEART TRANSPLANT REJECTION: A PEDIATRIC CASE REPORT	<i>Grace E. Linder, MD</i>

Abstract Number	Abstract Title	Presenter
P-37	PERFORMANCE VALIDATION OF TPE ON SPECTRA OPTIA SYSTEM	<i>Mylene Macabeo, BSN, RN, HP</i>
P-38	IPSILATERAL PERIPHERAL IV PLACEMENT WITH SEVERE RECIRCULATION IN A STEM CELL DONOR	<i>Laura Cooling, MD, MS</i>
P-39	DEVELOPMENT OF A UNIFORM APHERESIS CASE REPORT FORM FOR STANDARDIZED COLLECTION OF APHERESIS DATA	<i>Nicole Dodge Zantek, MD, PhD</i>
P-40	PLASMA EXCHANGE FOR ACUTE MOTOR AXONAL NEUROPATHY VARIANT GUILLAIN-BARRE SYNDROME IN A PREGNANT WOMAN WITH ACTIVE SYSTEMIC LUPUS ERYTHEMATOSUS.	<i>Yamac Akgun, MD</i>
P-41	ATYPICAL HASHIMOTO'S ENCEPHALOPATHY TREATED WITH PLASMA EXCHANGE	<i>Daniel Ward, MD</i>
P-42	FAILURE OF A DUAL LUMEN PORT FOR USE WITH EXTRACORPOREAL PHOTOPHERESIS: A CASE REPORT	<i>Matthew Flury, BSN, RN</i>
P-43	PLERIXAFOR FOR RESCUE OF PATIENTS WITH POOR PERIPHERAL BLOOD STEM CELL MOBILIZATION	<i>Sandra Satoe Kayano</i>
P-44	THROMBOCYTAPHERESIS FOR ACQUIRED VON WILLEBRAND SYNDROME IN A PATIENT WITH ESSENTIAL THROMBOCYTHEMIA AND RECENT MULTIVISCERAL TRANSPLANTATION	<i>Oyedeji, S. Oluwayomi, MD</i>
P-45	CHRONIC RED CELL EXCHANGE IN SICKLE CELL PATIENTS WITH IRON OVERLOAD MAY NOT AFFECT MORTALITY	<i>Yi Yuan Zhou, MD</i>
P-46	TEMPERATURE AND HUMIDITY FACILITIES MONITORING FOR CELLULAR THERAPY AND APHERESIS	<i>Viveka Raol, MS, MBA</i>
P-47	ERYTHROMELALGIA – IMPROVEMENT OF SYMPTOMS WITH THERAPEUTIC PLASMA EXCHANGE AND PHARMACOLOGICAL THERAPY	<i>Jennie Tan, DO</i>
P-48	USE OF PLASMA EXCHANGE THERAPY IN A PATIENT WITH SEVERE LEPTOSPIROSIS BY LEPTOSPIRA INTERROGANS SEROVAR PANAMA	<i>Ronny Munoz-Acuna, MD</i>
P-49	TYPE I ALLERGIC REACTION IN RESPONSE TO THE THERAPEUTIC PLASMA EXCHANGE WITH ALBUMIN REPLACEMENT SOLUTION IN ADULT PATIENT TREATED FOR CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY	<i>Valentina Maksymyuk</i>
P-50	FAILURE OF AN IMPLANTABLE VASCULAR ACCESS DEVICE UTILIZED FOR THERAPEUTIC PLASMA EXCHANGE THERAPY: A CASE STUDY	<i>Linda Vitale, MPAS, APA-C</i>
P-51	MEDICAL MANAGEMENT OF HTG-AP: ARE WE PULLING THE TRIGGER TOO SOON ON PLASMA EXCHANGE?	<i>Christopher Webb, MD</i>

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 Haewon Kim, MD (2005)
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 Rose Shaw, RN (2006)
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 Sharon Farrell, RN, BSN, HP(ASCP) (2008)
 Jessie Alex, RN (2009)
 Edwin A. Burgstaler, MT, HP (2010)
 Jennifer Anderson, RN, HP(ASCP) (2011)
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 Edwin A. Burgstaler, MT, HP(ASCP) (2014)
 Edwin A. Burgstaler, MT, HP(ASCP) (2015)
 Patricia Fredrich, RN, BSN (2016)
 Michaela Mayhew, RN, MSc (2017)
 Sarah Angela R. Anonuevo-Yuvienco, BSN, RN (2018)
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 Jody Chinn, BA (2020)

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