



Current Topics in Histocompatibility & Transplantation

20 years
1998-2018

A Unique Continuing Education Opportunity

2018 Teleconference Series

Sponsored by
Sandra Rosen-Bronson, PhD, D(ABHI)
Georgetown University
Washington, DC

An ABHI Approved Continuing
Education Program

Current Topics in Histocompatibility and Transplantation for Technologists

This series of twenty interactive lectures, moderated by Dr. Sandra Rosen-Bronson, will reach hundreds of individuals through real-time, ninety minute in-depth audio conferences involving organizations and people from around the world. Without ever leaving your laboratory or office, you can listen to expert scientists and key decision makers thousands of miles away. Additionally, you can ask questions and get immediate answers, as well as listen to other participants' questions. This convenient and cost-effective educational tool will allow you to keep current in the field of histocompatibility testing and transplantation. Each participant will earn ABHI Continuing Education Credit (CEC) equal to 1.5 contact hours or 0.225 CE credits per lecture.

Frequently Asked Questions

How Does a Teleconference Work? Three to five days before each lecture, a teleconference packet is mailed to your site coordinator. The packet will contain the lecture slides as a PowerPoint file and a PDF file, handouts as a PDF file, along with detailed conference instructions all on a CD. At the scheduled time on the day of the lecture, your site must call the telephone number provided in the instructions. U.S. participants receive a toll-free telephone number. International participants may incur additional telephone charges.

All teleconferences are scheduled to start at 1:00 P.M. (Eastern Time) and last approximately ninety minutes. Once the teleconference has begun, participants view the slide show as they listen to the lecturer. There will be an opportunity to participate in a question and answer session at a midpoint and at the end of the lecture.

What If the CD Doesn't Work Properly? If the CD you receive does not function properly, it will be replaced at no charge. As soon as you receive your conference packet, please verify that the CD contains the correct PowerPoint file and that it functions properly in your computer system. If you experience any difficulty with the CD or have a problem opening the files, contact us immediately.

What If We Haven't Received the Packet? If you do not receive your conference packet, please contact us as soon as possible so that we can provide you with the materials.

What Equipment Do We Need On Site? You will need a computer with a monitor and a speakerphone.

How Do We Register? Complete the registration form and fax a copy of the form to (202) 944-2343. Send the original registration form with complete credit card information or a check made payable to Georgetown University to:

U.S. Mail:

Sandra Rosen-Bronson
Box 571438
Georgetown University
3900 Reservoir Road NW
Washington, DC 20057-1438

Overnight Courier:

Sandra Rosen-Bronson
Preclinical Science Bldg, Room LE8H
Georgetown University
3900 Reservoir Road NW
Washington, DC 20007

To ensure your registration is processed, it is important to send it to the **exact address as listed above**.

Cancellation Policy: Cancellations which occur 21 days or more prior to the date of the first lecture for which your site has registered are refundable less a nonrefundable deposit of \$50. For cancellations which occur from 21 to 14 days prior, 50% of the lecture series fee will be forfeited. No refunds are possible within 14 days prior to the starting date. All cancellation requests **must be submitted in writing**.

Further Questions: If you have any questions, please visit our website at www.ctht.info or contact us at:

Tel: (202) 784-5518 or (202) 687-8924

Fax: (202) 944-2343

Email: Andre.Thalberg@georgetown.edu

2018

Teleconference Schedule

All dates are Tuesdays and all lectures begin at 1:00 P.M. (Eastern Time)

April 24, 2018

A₂ to B Kidney Transplantation: Questions and Answers and More Questions

presented by Alexander Gilbert, MD, MedStar Georgetown Transplant Institute, Washington, DC

Participants will hear how changes in kidney allocation implemented in 2014 have allowed more blood group B patients to receive deceased donor offers from blood group A₂ donors. They will learn about the blood group biology that makes this possible as well as the overall outcome statistics of A₂ to B transplants.

May 1, 2018

Next-Generation HLA Antibody Reagents

presented by Paul Warner, PhD, D(ABHI) Bloodworks Northwest, Seattle, WA

Participants will learn about new subtype specific monoclonal antibodies directed against a monomorphic HLA class I epitope that are useful for validating and characterizing multiple HLA antibody assays. These antibodies are also useful as controls in complement dependent assays and when titrated appropriately can give consistent low, medium, or strong-positive reactivity in single antigen bead and flow cytometric crossmatch assays.

May 15, 2018

What Does the Immune Response to an Allograft Look Like: Start to Finish

presented by Robert Fairchild, PhD, Cleveland Clinic Foundation, Cleveland, OH

Participants will hear an overview of a recipient's immune response to an allograft. They will learn about components of the immune system that dictate transplant outcome as well as the recipient's response.

May 22, 2018

Ethical Implications of Organ Donation Entering the Social Media "Space"

presented by Macey Henderson, JD, PhD, Johns Hopkins School of Medicine, Baltimore, MD

Participants will learn about ethical conflicts presented by social media solicitations for organ donation. They will hear about possible disparities in access to online appeals for organ donation as well as biases among potential donors responding to organ solicitations via social media.

June 12, 2018

Next-Generation HLA Antibody Analysis Using HLA Matchmaker

presented by Paul Sikorski, MS, CHS, and Kevin Harrell, CHS, Thermo Fisher Scientific, Canoga Park, CA

Participants will hear an in-depth overview of the implementation of HLA Matchmaker in the new version of HLA Fusion software. Through case examples they will learn step-by-step how to use HLA Matchmaker in Fusion for routine epitope match analysis.

June 19, 2018

HLA: From Genetics to Epitopes

presented by Frans Claas, PhD, Leiden University Medical Center, Leiden, the Netherlands

Participants will hear a historical perspective of how HLA antigens were discovered and characterized. They will also learn about the complexity of HLA immunogenicity as well as the epitopes recognized by HLA antibodies.

June 26, 2018

Organ Allocation in 2018: How Did We Get Here

presented by Alison Wilhelm, MPP, and James Alcorn, JD, United Network for Organ Sharing, Richmond, VA

Participants will hear the history of how organ allocation progressed in the U.S. and will learn about today's Organ Procurement and Transplant Network (OPTN) along with its relationship to the United Network for Organ Sharing (UNOS). They will also learn how policies are determined and allocation algorithms are developed.

July 10, 2018

HaploStats: A Tool That's Not Just for Donor Search

presented by Tami Maus, MT, CHTC, and Kelly Lazration, MPP, CHT
National Marrow Donor Program, Minneapolis, MN

Participants will learn how to effectively use and understand results from HaploStats, an online tool developed by the National Marrow Donor Program for accessing haplotype frequency information and haplotype pairs relative to specific HLA types found in the U.S. population. Case examples will be used to demonstrate how this tool can be useful in a variety of ways including predicting B/C or DR/DQ associations or HLA alleles when only partial or low resolution typing is available.

July 24, 2018

Antibody Mediated Rejection in Heart Transplantation

presented by Jon Kobashigawa, MD, Cedars-Sinai Heart Institute, Cedars-Sinai Medical Center, Los Angeles, CA

Participants will learn about antibody-mediated rejection (AMR) in cardiac transplant. They will hear about current approaches for the diagnosis and management of AMR which currently remains a central problem for the clinical management of heart transplant recipients.

July 31, 2018

UNOS Histocompatibility Committee Update

presented by Robert Bray, PhD, D(ABHI), Emory University, Atlanta, GA and Cathi Murphey Half, PhD, HCLD, Southwest Immunodiagnostics, Inc., San Antonio, TX

Participants will learn about recent changes to HLA equivalency tables along with how to best use them. They will also hear about upcoming changes to CPRA calculations that will include DQA, DPA, and DPB, as well as progress towards using higher resolution typing results for organ allocation.

August 7, 2018

Dissecting the Contribution of Complex Genetic Variation to Human Traits
presented by Melissa Gymrek, PhD, University of California San Diego, San Diego, CA

Participants will hear about studies using large genomic data sets that focused on repetitive variation across the population. They will learn about the role variation in short tandem repeats (STR) may play in gene regulation, disease susceptibility and traits.

August 14, 2018

The Diverse World of Bugs Within: How the Microbiome Affects Transplantation
presented by Tessa Andermann, MD, MPH, Stanford University, Stanford, CA

Participants will learn what the microbiome is, how it functions, and how researchers study it. They will also hear how undergoing a hematopoietic cell transplant can change an individual's microbiome and how it may be manipulated to affect HCT outcomes.

August 28, 2018

Time to Transition from Empiric to Precision Medicine
presented by Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, MB, Canada

Participants will learn about the basic cell biology behind B cell allorecognition and antibody production. They will also hear how understanding factors that affect a patient's *de novo* DSA risk can aid in the development of individualized immunosuppression regimens.

September 18, 2018

Advances in Combating Transplant Tourism and Organ Trafficking
presented by John Gill, MD, MS, St Paul's Hospital, University of British Columbia, Vancouver, BC, Canada

Participants will learn about the Declaration of Istanbul a document signed by more than 150 representatives of scientific and medical bodies from 78 countries around the world, including government officials, social scientists and ethicists with a common goal to combat organ trafficking, transplant tourism and transplant commercialism as well as to encourage the adoption of effective and ethical transplantation practices around the world. Participants will also hear about ongoing initiatives to promote, implement and uphold the Declaration of Istanbul.

September 25, 2018

Effect of Genetic Ancestry on Hematopoietic Stem Cell Transplant Outcome
presented by Abeer Madbouly, PhD, National Marrow Donor Program, Minneapolis, MN

Participants will learn about key findings that address the contribution of the genetic admixture of donors and recipients to hematopoietic stem cell transplant outcome. They will also gain understanding of how some single nucleotide polymorphisms (SNPs) can be used as ancestry informative markers (AIMs) to distinguish continental and/or sub-continental groups.

October 16, 2018

The Role of Innate Alloreactivity in Transplant Rejection

presented by Martin Oberbarnscheidt, MD, PhD, University of Pittsburgh, Pittsburgh, PA

Participants will learn about innate recognition along with the central role monocytes and macrophages play in activation of innate and adaptive immunity. They will hear about recent studies that suggest monocytes and macrophages can also recognize allogeneic entities and mediate graft rejection via direct cytotoxicity and priming of alloreactive T cells.

October 30, 2018

Keeping it simple: HLA Testing for Hematopoietic Stem Cell Transplantation

presented by Robert Liwski, MD, PhD, Queen Elizabeth II Health Sciences Centre, Halifax, NS, CA

Participants will learn about a streamlined approach Dr. Liwski's laboratory uses to expedite HLA testing for stem cell transplant patients including a fast and cost-effective strategy for high resolution HLA typing using conventional methods. Interesting stem cell transplant cases will also be presented.

November 6, 2018

HLA Antibody Specificity Interpretation for the Novice

presented by Olga Timofeeva, PhD, D(ABHI), Temple University, Philadelphia, PA, and Sandra Rosen-Bronson, PhD, D(ABHI), MedStar Georgetown University Hospital, Washington, DC

Beginners in the field of histocompatibility testing will learn basic guidelines for understanding and interpreting HLA antibody specificities. Through case examples participants will learn how to recognize antibody reactivity against CREGs, epitopes, unique alleles, and more.

November 20, 2018

Crossmatch Interpretation for the Novice

presented by Dong Li, MD, D(ABHI) and Sandra Rosen-Bronson, PhD, D(ABHI)
MedStar Georgetown University Hospital, Washington, DC

Beginners in the field of histocompatibility testing will learn how to correctly interpret and understand crossmatch results. Through case examples, basic concepts will be covered including guidance for recognizing false positive results as well as borderline results that may require further investigation.

December 4, 2018

Flow Cytometric Crossmatch QC Challenges

presented by David Cantu, PhD and Matthew Najor, PhD
MedStar Georgetown University Hospital, Washington, DC

Participants will learn how to validate and perform quality control testing on key components of the flow crossmatch assay. The discussion will include guidance for NHS, PPS, and fluorochrome selection as well as FITC titration and pronase validation.



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