

**OPTN Histocompatibility Committee
Meeting Summary
May 11, 2021
Conference Call**

**Peter Lalli, Ph.D., D(ABHI), Chair
John Lunz, Ph.D., D(ABHI), Vice Chair**

Introduction

The Histocompatibility Committee met via Citrix GoToMeeting teleconference on 05/11/2021 to discuss the following agenda items:

1. CPRA Modeling Results
2. Proposed CPRA Policy Language
3. Proposed HLA Equivalency Tables Changes

The following is a summary of the Committee's discussions.

1. CPRA Modeling Results

Members were presented a preliminary modeling report on the proposed CPRA calculator.

Summary of discussion:

Members were interested why there were some candidates with CPRA decreases with the calculator implementation. UNOS Research analyst explained that the implementation of the HLA tables proposal was incorporated in this modeling, and that the largest changes observed were due to removal of broad antigen equivalents to allelic or "narrower" unacceptable antigens. The CPRA contractor also explained that this calculation also does not have the linkage disequilibrium problem within the previous calculator, and the UNOS research analyst clarified that there are also limitations with frequencies within the current data set.

Members were also interested in the regional variation in CPRA changes. They postulated that it may be due to practice changes, but were unsure of what would cause the variations. They proposed that they and UNOS research staff look into the differences prior to regional meeting presentations.

2. Proposed CPRA Policy Language

Committee Chair and UNOS staff reviewed the proposed CPRA policy language.

Summary of discussion:

Committee members posed that they would like the CPRA displayed for all organs, and would like to consider educational resources for the implementation.

Committee members wanted to confirm that there was some form of validation for the frequency tables being implemented for CPRA. The CPRA contractor explained that while they have had some peer review and workshop review, there is not currently a comparable data set to compare to. The UNOS staff liaison explained that UNOS IT and Research are also validating the algorithms used to derive the frequencies from the raw NMDP data set. The committee members confirmed that both forms of

validation are important and will increase confidence in the data, and that while additional publications and comparisons would be ideal, it's difficult to do so without a comparable data set.

The committee voted to send the proposal to public comment in August 2021. Vote: 17 yes, 0 no, 0 abstain

3. Proposed HLA Equivalency Tables Language

Committee Vice Chair described the following major proposed changes for the annual equivalency table update:

- Requirement to type deceased donors for DPA1
- Equivalency table for DPA1
- Removal of broad antigen equivalents to allele-level antibodies
- Update to DPB1 reportable alleles, p-groups, and epitopes

Summary of discussion:

Committee members and HRSA representatives expressed no questions or concerns.

Next steps:

UNOS staff will send proposed policy language to the committee ahead of review at the next meeting.

Upcoming Meeting

- June 8, 2021

Attendance

- **Committee Members**
 - Amber Carriker
 - Bill Goggins
 - Cathi Murphey
 - Evan Kransdorf
 - Idoia Gimferrer
 - Jennifer Schiller
 - Jerry Morris
 - John Lunz
 - Manu Varma
 - Marcelo Pando
 - Pete Lalli
 - Reut Dvorai
 - Tracy McRacken
 - Valia Bravo-Egana
 - Vikram Pattanayak
 - Yvette Chapman
- **HRSA Representatives**
 - Jim Bowman
 - Marilyn Levi
 - Raelene Skerda
- **SRTR Staff**
 - Katie Audette
 - Nick Salkowski
- **UNOS Staff**
 - Abby Fox
 - Betsy Gans
 - Courtney Jett
 - Emily Kniepp
 - Kelsi Lindblad
 - Leah Slife
 - Susan Tlusty
- **Other Attendees**
 - Loren Gragert
 - Medhat Askar