

Update Human Leukocyte Antigen (HLA) Equivalency Tables, 2023

OPTN Histocompatibility Committee

Purpose and Proposal

- Add all Immuno Polymorphism Database-International ImMunoGeneTics (IPD-IMGT) HLA P-groups that contain more than a single two-field allele for HLA typings for all loci
 - Allows for more precise immunologic screening of potential donors
- Update HLA matching equivalences to more equitably incorporate higher resolution HLA typings by making all HLA typings within a serologic antigen group match each other
- Update HLA-DPB1 tables to IPD-IMGT/HLA version 3.52.0
 - Ensures that the unacceptable antigen screening for candidates will appropriately exclude incompatible donors based on current P-group equivalences and epitopes
- Does not change requirements for candidate, donor, or recipient HLA typing
- Updates the equivalency tables via the expedited updates pathway

Rationale

- Higher resolution HLA typing is beginning to be implemented for deceased donors
 - Additional higher resolution HLA typing options will allow for more precise immunologic screening
 - Updating HLA matching would maintain the current priority for candidates with rarer alleles, such as those from smaller minority groups

Member Actions

- Histocompatibility labs may need to update their Application Programming Interfaces (APIs) to incorporate additional unacceptable antigen options
- Histocompatibility labs and transplant hospitals may need to evaluate their transplant agreements

What do you think?