

# Update Human Leukocyte Antigen (HLA) Equivalency Tables

*OPTN Histocompatibility Committee*

# Purpose and Proposal

- Add an equivalency table for HLA-DPA1
- Require HLA-DPA1 typing for
  - Deceased kidney, pancreas, and kidney-pancreas donors
  - Other deceased donors as requested
  - OPTN kidney paired donation (KPD) living donors
- Require HLA-DPA1 unacceptable antigen reporting for OPTN KPD candidates
- Update HLA-DPB1 equivalences and reportable values
- Remove broad antigens equivalent to allelic antibodies
- Align HLA donor and transplant candidate data collection across UNet<sup>SM</sup> systems

# Rationale

- Automated screening for unacceptable antigens to DPA1 would increase patient safety and system efficiency
  - >80% of labs already reporting HLA-DPA1 for deceased donors
- Removal of broad antigen equivalents would help ensure candidates are not being screened off match runs for potentially compatible donors
- Aligning data collection increases consistency and efficiency
  - Also allows for development of an HLA typing upload API

# Member Actions

- Histocompatibility laboratory and OPO requirement to type deceased kidney, pancreas, and kidney-pancreas donors for HLA-DPA1
  - Requirement to type other organs as requested
- Histocompatibility laboratory and living donor hospital requirement to type OPTN KPD donors for HLA-DPA1
- Histocompatibility laboratory and transplant hospital requirement to report DPA1 unacceptable antigens for candidates, per clinical discretion