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 UNetSM 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