

# **Proposed Changes to the HLA Equivalency Tables**

**Lee Ann Baxter-Lowe, PhD**

# HLA Equivalency Tables

**Matching Antigen Equivalences Table:** determines level of HLA mismatch; used for prioritization in KI, KI-PA, and PA allocation. Only includes A, B, DR antigens.

**Unacceptable Antigen Equivalences Table:** used in screening off donors

**Table of Unacceptable Antigens Equivalences Used for CPRA:** UAs used only in CPRA calculation

# The Problems

- Matching *donor* antigen equivalences still list broad antigen equivalences for donors
- Some unacceptable antigen equivalences unnecessarily disadvantage candidates
- Changes approved in 2010 (but not implemented) will result in inaccurate CPRA scores for some sensitized patients
- Current format of tables not user friendly

# Proposed Changes

- Eliminate 8 broad antigens listed as equivalences in the 'Matching Antigen Equivalences' listed for A, B, and DR
- Add 4 and delete 57 equivalences in the tables referencing 'Unacceptable Antigen Equivalences'
- Reverse 2010 policy change
- Delete C\*13 antigen

# Public Comment

Type of Response	Response Total	In Favor	In Favor as Amended	Opposed	No Vote/ No Comment/ Did not Consider
Individual	25	21	0	0	4
Regional	11	11	0	0	0
Committee	3	3	0	0	0

# ASHI Feedback

- With these changes, the examples for how the tables work needs to be updated
- The OPTN should educate the community on these changes

# Post-Public Comment Change

‘Unacceptable Antigen Equivalences’ for HLA-DQB.

Patient's Unacceptable DQB Locus Antigen	Donor Equivalent Antigen
1	1, 5, 6
2	2
3	3, 7, 8, 9
4	4
5	5, 4

Patient's Unacceptable DQB Locus Antigen	Donor Equivalent Antigen
6	6, 4
7	7, 3
8	8, 3
9	9, 3

# Resource Impact Summary

Resource Snapshot	Staff Hours Estimate	Staff Cost Estimate
Total Implementation Estimate	1,000	\$59,165
Annual Maintenance Cost	110	
Programming?	Yes	
Project Size Complexity	Large	

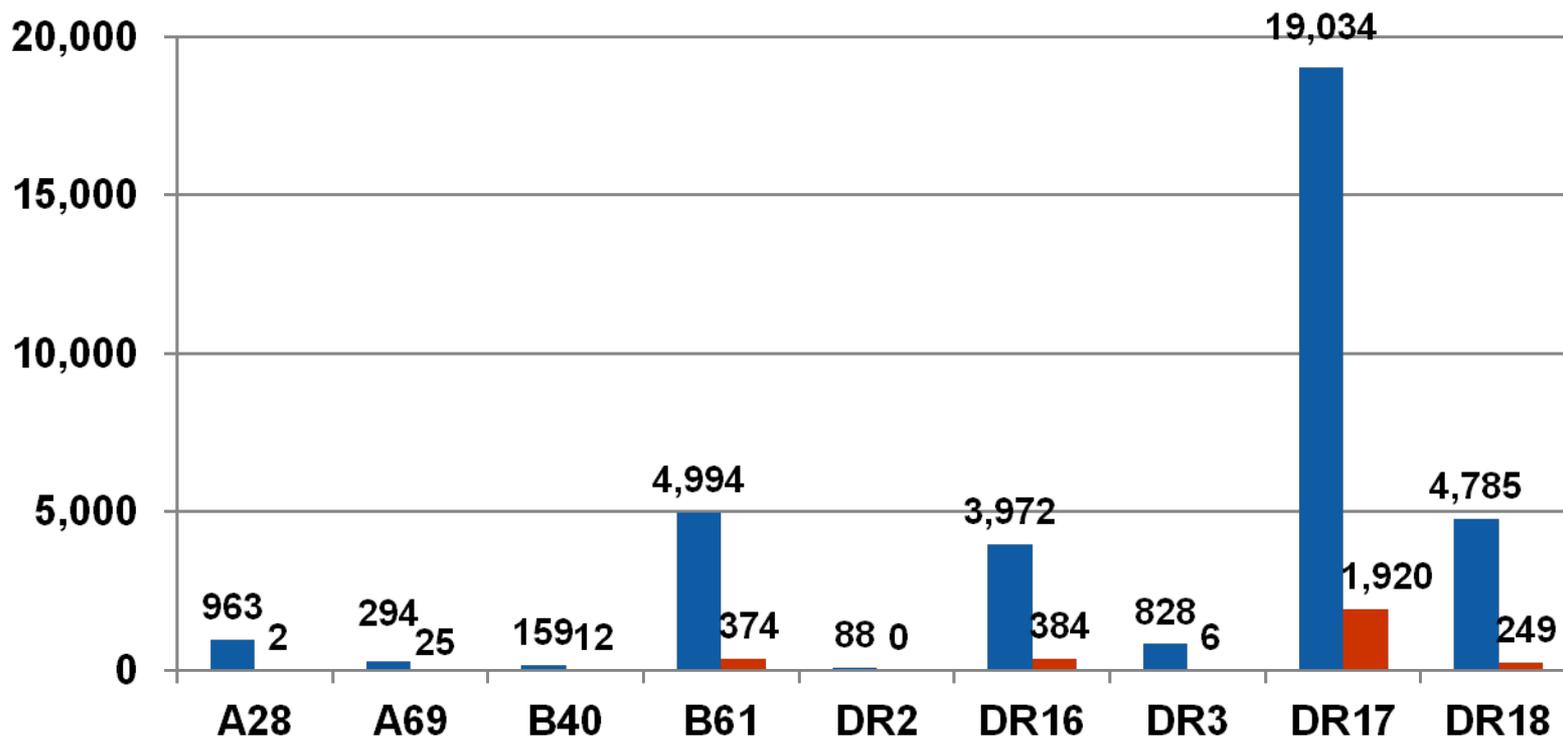
# Resolution

**\*\*\* RESOLVED, that modifications to Policy 3, Appendix A (*HLA Values and Split Antigen Equivalence*) as set forth in Appendix B are hereby approved, effective programming in UNet<sup>SM</sup> and notice to the OPTN membership.**

# Back Up Slides

OPTN

# HLA frequencies for deceased donors and kidney, kidney-pancreas and pancreas registrations on the waiting list



■ Kidney, kidney-pancreas and pancreas registrations waiting on 11/16/2012  
■ Deceased donors recovered 06/01/2011 - 08/31/2012