



Adding HLA DQA1 Unacceptable Antigen Equivalences Table

*Histocompatibility Committee
June 6-7, 2016
Board of Directors Meeting*



How does this proposal support the OPTN Strategic Plan?

- **Primary Goal: Promote living donor and transplant recipient safety:**
 - Prevent matching candidates with incompatible donors and help avoid acute rejection, prolonged cold ischemia time, or organ discard
- **Improve waitlisted patient, living donor, and transplant recipient outcomes:**
 - Reduces risk of rejection associated with HLA DQA1 mismatched donors
- **Promote the efficient management of the OPTN:**
 - Aligns entry of DQA1 unacceptables with that for all other HLA loci for consistency in UNetSM

What problem will the proposal solve?

Select all **DQA1** unacceptable antigens:

Search for a DQA1 value

Available Values

03
03:01
03:02
03:03
04
04:01
04:02
04:03N

Selected Values

Select all **DQA1** unacceptable antigens:

Search for a DQA1 value

Available Values

02:01
03:01
03:02
03:03
04
04:01
04:02
04:03N

Selected Values

03

Selecting broad value as unacceptable

Doesn't exclude donors with a subtype value, and candidates can match with donors if subtypes aren't selected

How does the proposal solve the problem?

- Creates an additional HLA Equivalence table for DQA1
- Allows UNOS IT to accurately program DQA1 unacceptable antigens

Select all **DQA1** unacceptable antigens:

Search for a DQA1 value

Available Values

02:01
03:01
03:02
03:03
04
04:01
04:02
04:03N

Selected Values

03

Selecting broad value as unacceptable

Will exclude donors with a subtype value.



Was this proposal changed in response to public comment?

- No substantive changes made post-public comment
- Stylistic changes for language consistency and ease of reading
- Non-discussion agenda at regional meetings
 - 0 No votes
- ASHI, AST, & ASTS expressed support for the proposal as written



How will members implement this proposal?

- Members should familiarize themselves with changes in unacceptable antigen entry upon programming
- Histocompatibility labs may need to work with third party vendors to update reporting systems
- No new compliance requirements



How will the OPTN implement this proposal?

- This policy will be programmed by UNOS IT



Overall Project Impact

Product

Policy

Impacted Populations:

*Histocompatibility Labs
Transplant Coordinators*

Total IT Implementation Hours

1,125/12,820

Total Overall Implementation and Maintenance Hours

1,380/19,560



Resolution 11 (page 47)

- RESOLVED, that changes to Policy 4.10 (Reference Tables of HLA Antigen Values and Split Equivalences), as set forth below, are hereby approved, effective pending programming and notice to OPTN members.