

OPTN/UNOS Histocompatibility Committee

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Richmond, VA*

Proposal to add optional fields for HLA-DQA and HLA-DPB in DonorNet® and WaitlistSM

Problem

- Anti-HLA antibodies to DQA and/or DPB frequently observed in sensitized transplant candidates.
- If candidate not properly screened from donors with relevant HLA, result can be adverse graft outcome.
- Some OPOs and transplant centers are requesting testing for this donor HLA information and for the presence of antibodies in candidates
- Once information is obtained, however, it cannot be reported in DonorNet[®] or WaitlistSM

Background

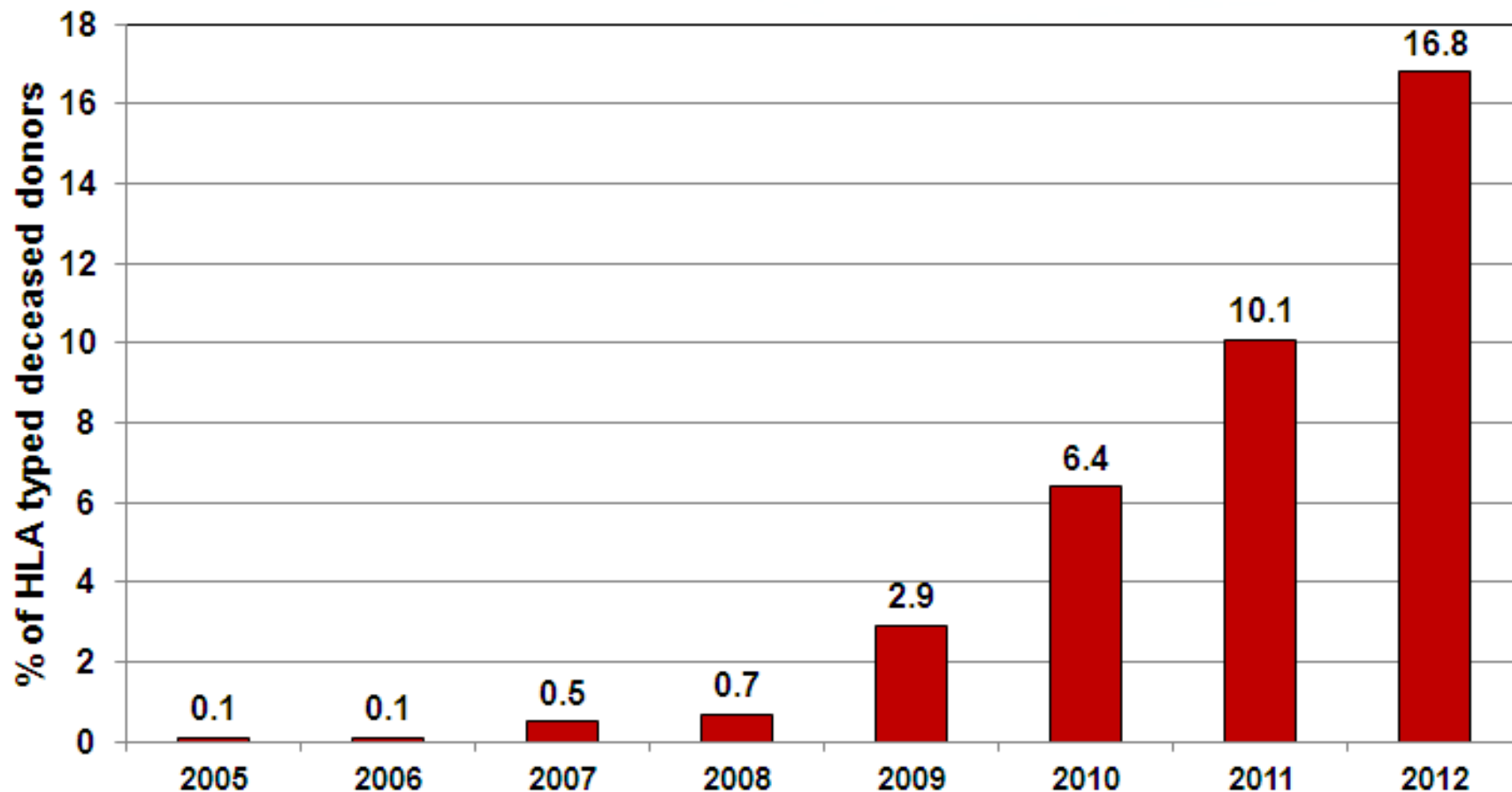
Thoracic Committee-2011

- Donor HLA-DPB required for heart/lung offers if requested and OPO's lab performs the testing

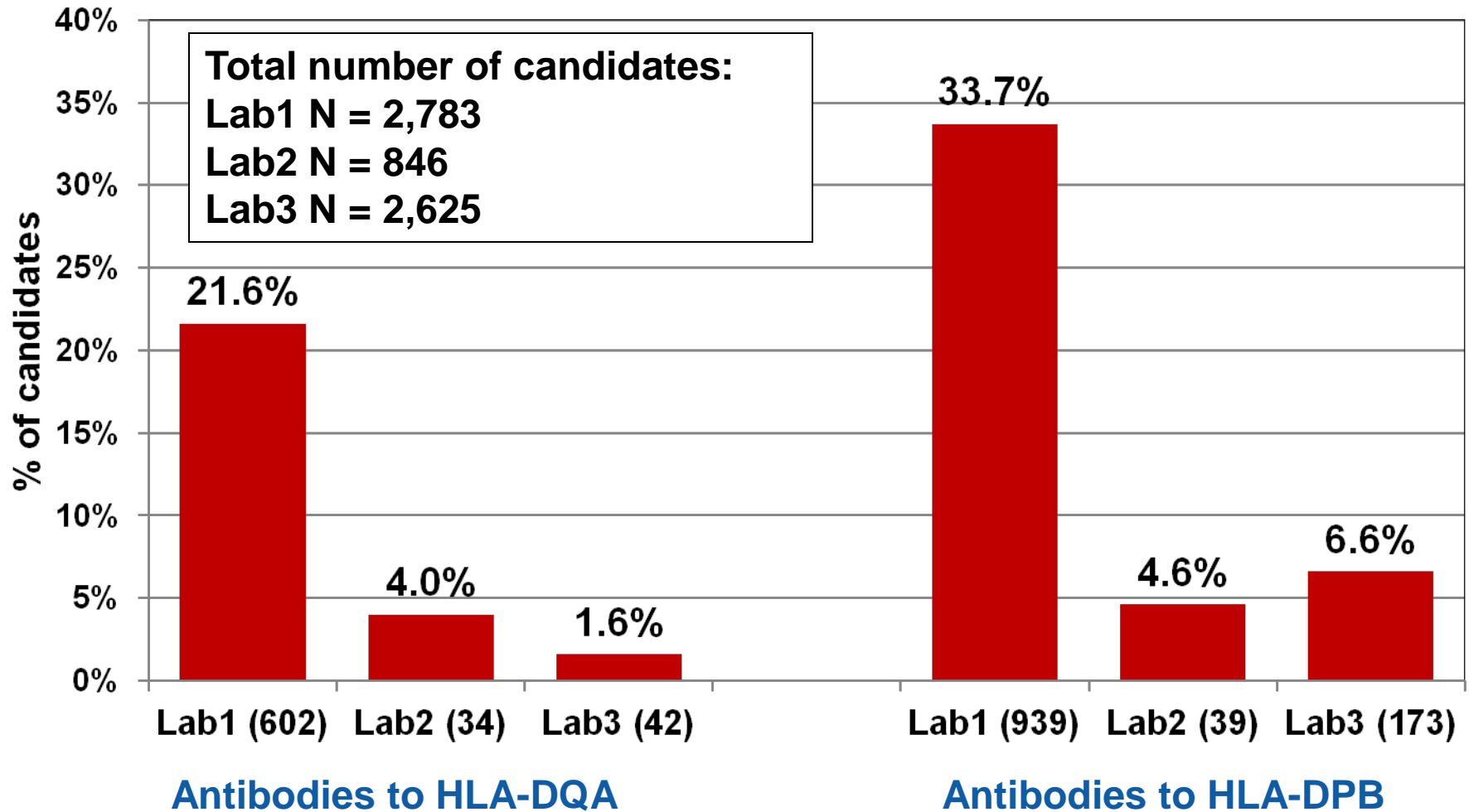
Kidney Committee-2012/2013

- New KAS gives national priority to highly sensitized candidates
- Concern that absence of fields to report donor HLA/candidate UAs will result in unexpected positive crossmatches

Reporting of DPB on Donor Histo Forms by Year



Supporting Evidence



Cost

- 2,490 hours (mostly IT) =\$141, 607
- Large # of pages where donor HLA and candidate UA's appear
- Programming complexity due to addition of elements for screening candidates from donors (match runs)
- Committee considered larger proposal but is recommending one with least expense that will address patient safety/unexpected positive crossmatch issues
 - Note: these HLA types will **NOT** be used for calculating CPRA

Benefits

- Improving patient safety by screening candidates from donors with relevant HLA types
- Improving efficiency for allocation of all organ types, esp. where virtual crossmatching used by preventing some unexpected positive crossmatches/increased cold ischemia time

Plan for Evaluating

- The number and percentage of registrations with unacceptable DQA and DPB antigens reported on the waiting list, overall and by organ and center.
- The number and percentage of deceased donors with donor DQA and DPB antigens reported in DonorNet prior to making offers, overall and by organ and OPO.
- The number and percentage of offers refused due to a positive crossmatch by organ.

RESOLUTION 13

RESOLVED, that optional fields for HLA-DQA and HLA-DPB in DonorNet[®] and WaitlistSM shall be added as set forth in Exhibit A to the Histocompatibility Committee's report to the Board, effective pending programming and notice to the OPTN membership.

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Questions?