KPD Program Permanency

Kidney Paired Donation Workgroup
Mark Aeder, MD Chair
June 23-24, 2014
# 2013-2014 KPD Work Group

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>Mark Aeder, MD (Chair)</td>
<td>Nancy Reinsmoen, Ph.D, D(ABHI)</td>
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<tr>
<td>John Friedewald, MD</td>
<td>Pat McDonough, RN, CPTC, CCTC</td>
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<td>Richard Formica Jr., MD</td>
<td>Michael Rees, MD, Ph.D</td>
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<td>Adam Bingaman, MD, Ph.D</td>
<td>Mike Gallicchio, MD</td>
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<td>Mary Amanda Dew, Ph.D</td>
<td>Eric Gibney, MD</td>
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<td>Matthew Cooper, MD</td>
<td>Alvin Roth, Ph.D</td>
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<tr>
<td>Lloyd Ratner, MD</td>
<td>Stuart Flechner, MD, JSWG Chair</td>
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<tr>
<td>Mariza Turner, RN</td>
<td>Sommer Gentry, Ph.D, TA</td>
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<tr>
<td>Mary Leffell, Ph.D</td>
<td>Tuomas Sandholm, Ph.D, TA</td>
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<tr>
<td>Gene Ridolfi</td>
<td>Itai Ashlagi, Ph.D, TA</td>
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JSWG = Joint Societies Work Group; TA = Technical Advisor
<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Ruthanne Leishman</td>
<td>Catherine Monstello</td>
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<tr>
<td>Darren Stewart</td>
<td>Guy Lunsford</td>
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<tr>
<td>Anna Kucheryavaya</td>
<td>Lianne Fasig</td>
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<td>Liz Robbins Callahan</td>
<td>Jason Chicirda</td>
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<tr>
<td>Kerrie Cobb</td>
<td>Prakash Nakka</td>
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<tr>
<td>Chad Southward</td>
<td>MiYoung Kwon</td>
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<tr>
<td>Elizabeth Sleeman</td>
<td>And many others!</td>
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Purpose

Report on the status of the OPTN/UNOS KPD Pilot Program (KPDPP)

Board will vote on whether to make the KPDPP a permanent program
• 2006: KPD pilot system released for public comment
• 2007: NOTA amended

2008: BOD approves pilot

2012: BOD approves Policy 13
• 2011: First phase of UNet℠ KPD released
• Late 2010: First KPD Match Runs and Transplants

• 2013: Policy 13 Implemented

2014: BOD and HRSA make decision on permanency
Mission: Develop a successful KPD program with universal access to all OPTN members that prioritizes the medical and psychosocial safety of living donors and candidates.

Vision: Every kidney transplant candidate with an incompatible but willing and approved living donor receives a living donor kidney transplant.
Trends in Participation

- Programs signed agreement to participate: 138
- Programs with eligible pair(s) for a match run: 98

- Critical mass: 45
- Early adopters: 15

- 1st match run: Oct 2010
- 110th match run: Mar 2014
Participation by Region

<table>
<thead>
<tr>
<th>Region</th>
<th>Programs/Region</th>
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<tbody>
<tr>
<td>1</td>
<td>14/14</td>
</tr>
<tr>
<td>2</td>
<td>21/30</td>
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<tr>
<td>3</td>
<td>7/22</td>
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<tr>
<td>4</td>
<td>19/28</td>
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<td>5</td>
<td>15/30</td>
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<td>6</td>
<td>3/9</td>
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<td>7</td>
<td>17/22</td>
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<td>8</td>
<td>11/18</td>
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<td>9</td>
<td>9/13</td>
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<tr>
<td>10</td>
<td>12/19</td>
</tr>
<tr>
<td>11</td>
<td>10/22</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>138/228</strong></td>
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</tbody>
</table>
Average # of Eligible Candidates and Donors per Match Run

- **Paired donors**
- **Candidates**
- **Non-Directed Donors**

Match Run Date:
- 8/2010: 45
- 8/2011: 152
- 2/2012: 152
- 8/2012: 104
- 2/2013: 185
- 8/2013: 238
- 2/2014: 247

- 2/2011: 6
- 2/2012: 2
- 8/2012: 5.3
- 2/2013: 1
- 8/2013: 0.25
- 2/2014: 0

OPTN
Matches Found Per Month

- NDD chains
- Weekly match runs
- 2X/month match runs
- System repair


OPTN

UNOS DONATE LIFE
As of June 17: 97 transplants plus 16 pending (OR dates), 12 pending crossmatch
KPDPP Snapshot

Total Number of Transplants
• 97 total transplants as of June 13, 2014

Scheduled Transplants
• 16 scheduled

Accepted and in the Queue
• 12 accepted and pending
Expanding Access

- 32% (n=28) of recipients had CPRA ≥ 80%

Candidates (n=904) vs Recipients (n=88)
6-Month Graft Survival Rate

- OPTN KPDPP Transplants (n=83): 98.8% (p=0.58)
- Other Living Donor Transplants (n=19,028): 98.1%
- Deceased Donor Transplants (n=34,709): 95.1%

Days since Transplant:
- 0
- 90
- 180

Graft Survival Rate:
- 100%
- 95%
- 90%
- 85%
- 80%
Elements for Permanence

- Automation
- Policies
- Key Staff
- Financially Sustainable
### Automated System

#### Featuring:
- User friendly, intuitive data entry system
- Manage pairs and create reports
- View and respond to match offers in UNet℠
- Automated match offer emails sent to primary contacts at transplant programs
- Center-specific dashboards
- Donor pre-selection
- Easy upload of donor medical record

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**Candidate and Donor Eligibility**

<table>
<thead>
<tr>
<th>Eligible</th>
<th>Ineligible (active)</th>
<th>Ineligible (inactive)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Candidate(s)</td>
<td>1 Candidate(s)</td>
<td>1 Candidate(s)</td>
</tr>
<tr>
<td>6 Donor(s)</td>
<td>1 Donor(s)</td>
<td>1 Donor(s)</td>
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**Donor Pre-Screening**

- 1 KPD candidate(s) have donor(s) who need pre-screening

**Manage Bridge Donors**

- 0 Pending bridge donors

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[Image of UNetSM interface]
What’s working well?

- User-friendly, intuitive online KPD system
- Predictable, frequent match run schedule
- Communication/transparency with members
- Training/education

Improvements

- Pop-up messages for data accuracy
- Streamlining data entry
- Twice-weekly match runs
Transitioning Guidelines to Policy

June 2014
Board Proposal
• Prioritization Points

November 2014
Board Proposal
• Histo Testing

Fall 2014
Public Comment
• Informed consent
• Most remaining guidelines
Ongoing Operating Costs

Staff

- Program Manager 1 FTE
- Organ Center ½ FTE
- Other support < ½ FTE

Software license

- $8,099.53/year
Mission: Saving lives through kidney paired donation

Vision: Every kidney transplant candidate with an approved incompatible living donor will receive a kidney transplant.
RESOLVED, that the pilot label is removed from the OPTN/UNOS Kidney Paired Donation Pilot Program, and the program is a permanent function of the OPTN, effective pending HRSA’s approval.

*Page 73 of the Board book*