State of the OPTN KPD Pilot Program

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Chair, OPTN Kidney Paired Donation Workgroup
Purpose

Report status of OPTN KPD Pilot
Receive feedback/questions

June 2014:
BOD vote on whether to make KPD a permanent program
Vision: Every kidney transplant candidate with an incompatible but willing and approved living donor receives a living donor kidney transplant.

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.
• 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
OPTN KPDPP

173%

57%

0%
Number of OPTN KPDPP Transplants by Year

Transplants Pending OR

Through November 4, 2013

12 recipients CPRA ≥ 95%
As of Oct 31, 2013

- OPTN KPDPP Participating center (n=132)
- Center not participating in OPTN KPDPP (n=99)
Additional cost to participate

0%

Registration fee $0.00 (above usual fees to register a candidate on waitlist)
Center start up/participation fee $0.00
Database management and tech support fee $0.00
Non-compliance fee $0.00
Successful match fee $0.00
Logistic support $0.00
Summary of OPTN KPDPP Results

- Over 85 match runs starting Oct 27, 2010
- 132 (57%) participating transplant centers
  - Nearly 100 centers with at least one pair in a match run
- All 11 regions represented
- 68 transplants at 33 different centers
  - 12 very highly sensitized recipients (CPRA ≥ 95%)
  - 2-way exchanges (15%), 3-way (40%), NDD chains (45%)
Growth in the OPTN KPDPP
Cumulative Trends

Steady growth in candidates and donors added to OPTN KPD system.

Through Sep 2013
Currently, over 200 pairs are eligible for each match run.
On average, 82 candidates matched per quarter in 2013 (27 per month).
The OPTN KPDPP has seen a sharp increase in success in 2013.
“Diffusion of Innovation”
A Tipping Point Strategy for Change

Champions
get early support

Influence

Hi

Hold Outs
Learn, Inform
Don’t Push

The Silent Majority
Mobilized though “bandwagon” effect

Critical Mass
mobilized by champions

Low

Resistance

Hi

Low

Hi

OPTN
Rate of Adoption of the OPTN KPDPP

Cumulative # Centers with Eligible Pairs in OPTN KPDPP Match Runs

- Champions/early adoptors
- Critical mass
- Silent majority


OPTN
OPTN KPD Barriers to Participation Survey

What’s working well?
- User-friendly, intuitive online KPD system
- Predictable, weekly match run schedule
- Communication/transparency with members
- Training/education

What needs work?
- Standardizing KPD finances
- Optimizing data entry efficiency
Rate of Adoption ("Diffusion of Innovation")

**Cumulative # Centers with Eligible Pairs in OPTN KPDPP Match Runs**

- **231** active living donor kidney programs
- Champions/ early adoptors
- **Critical mass**
- **Silent majority**
- **Hold-outs/ resistors**

**Typical "Diffusion of Innovation" curve**

**OPTN**
Elements for Program Permanence

- Fully Automated
- Financially Sustainable
- Policies
- Key Staff
Announcements

5/25/2012  Check donor and candidate eligibility for match runs

You can now view if you donor or candidate is eligible to be in a match run, or ineligible to be in a match run, by viewing the top of the donor and candidate data entry page. To find out why they are ineligible click on the word ineligible.

You can also pull up a list of your ineligible candidates and donors, instructions were emailed to primary and secondary coordinators on 5/24. If you did not receive them contact Ruthanne.Leishman@UNOS.org.

3/1/2012  Everything about the OPTN KPDPP in one place

To access copy and paste the following link into your internet browser:

Transplantpro.org >> I am looking for >> Kidney Paired Donation

Find information on policies; guidelines; templates; webinar recordings; recorded UNet trainings and more.

1/3/2012  Questions? Interested in Joining the OPTN KPD Pilot Program?
KPD Application in UNet℠

- Phase 1-3 to be completed by Feb 2014
  - Enter donor and candidate in UNet
  - Donor pre-select
  - Automated match offer and response process

- Phase 4 projects
  - Message board
  - Rewriting the edgeweighter/edgefinder
# Annual Operating Costs

<table>
<thead>
<tr>
<th>RESOURCE</th>
<th>COST</th>
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<tbody>
<tr>
<td>Coordinator and Support Staff</td>
<td>$175,000</td>
</tr>
<tr>
<td>Software Maintenance</td>
<td>$45,000</td>
</tr>
<tr>
<td>Brochures</td>
<td>$4,000</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$224,000</strong></td>
</tr>
</tbody>
</table>
Policies/Monitoring Plan

13.1 Candidate Requirements for Participation

13.2 Potential KPD Donor Requirements for Participation

13.3 Informed Consent Requirement for Candidates

13.4 Informed Consent Requirements for Donors

13.5 Histocompatibility Testing

13.6 Matching Within the KPD program

13.6.4 Prioritization Points within the KPD Program

13.7 KPD Screening Criteria

13.8 Two and Three-Way Matches

13.9 Donor Chains
Key Staff for OPTN KPD Operations

- Program Manager
- Development Environment Engineer
- UNOS Policy Analyst
- UNOS Research Analyst
- UNOS Business Analyst
Workgroup members 2013-2014

- Mark Aeder, MD (Chair)
- John Friedewald, MD
- Richard Formica Jr., MD
- Adam Bingaman, MD, Ph.D
- Mary Amanda Dew, Ph.D
- Matthew Cooper, MD
- Lloyd Ratner, MD
- Mariza Turner, RN
- Mary Leffell, Ph.D
- Gene Ridolfi

- Nancy Reinsmoen, Ph.D, D(ABHI)
- Pat McDonough, RN, CPTC, CCTC
- Michael Rees, MD, Ph.D
- Mike Gallichio, MD
- Eric Gibney, MD
- Alvin Roth, Ph.D

Technical advisors:
- Sommer Gentry, Ph.D
- Tuomas Sandholm, Ph.D
- Itai Ashlagi, Ph.D
A very special thank you to...

Ciara Samana, MPH
Elizabeth Sleeman, MPH
For Discussion

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