Update Multi-Organ Allocation for Continuous Distribution of Lungs

OPTN Lung Transplantation Committee
Purpose and Proposal

- **Purpose:**
  - Update lung multi-organ allocation to maintain access to transplant with implementation of continuous distribution

- **Proposal:**
  - Change lung composite allocation score (CAS) threshold for required heart-lung, lung-liver, and lung-kidney shares from 28 to 25
  - Clarify heart-lung policy
Rationale

- Intent is for threshold to capture ~95% of patients who received lung multi-organ transplants in current allocation system
- Analysis of updated cohort indicated CAS of 28 would not meet that goal
- CAS of 25 would better meet the original intent
Lung CAS of Multi-Organ Recipients

- Calculated lung CAS subscore of patients who received lung multi-organ transplants between 1/1/2011 and 5/24/2022.
- Subscore does not include points for:
  - CPRA
  - Prior living donor
  - Placement efficiency (scores will be match run dependent)
Lung Multi-Organ Recipients by CAS

<table>
<thead>
<tr>
<th>CAS Threshold</th>
<th>Heart</th>
<th>Kidney</th>
<th>Liver</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
</tr>
<tr>
<td></td>
<td>26.6</td>
<td>26.2</td>
<td>28.0</td>
<td>26.6</td>
</tr>
<tr>
<td></td>
<td>95%</td>
<td>95%</td>
<td>95%</td>
<td>95%</td>
</tr>
<tr>
<td></td>
<td>25.2</td>
<td>24.0</td>
<td>27.7</td>
<td>25.2</td>
</tr>
</tbody>
</table>
Clarify Heart-Lung Policy

- Emphasize that OPO must always follow the match run
- No substantive changes other than CAS threshold change
Member Actions

- Education will be provided as part of implementation of continuous distribution of lungs
- Required shares will be indicated on the match run
What do you think?

- Does the score threshold of 25 appropriately balance access to transplant between lung multi-organ and other single-organ candidates?
- Once all organs are in continuous distribution, how might the Committee update lung multi-organ allocation across a continuous spectrum?