Share 35: Operational and Financial Considerations

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Import/Export Comparison

+80 Imported Livers

Pre Share 35 (06/18/12 - 06/17/13)
Post Share 35 (06/18/13 - 06/17/14)
Share 35 Impact on Local MELD 35+ Recipients

Pre Share 35 (06/18/12 - 06/17/13)
Post Share 35 (06/18/13 - 06/17/14)

+45 High MELD Tx’s
Transportation Costs

A: King Air = $7800 @ 2.7 hrs
B: Light Jet = $12,000 @ 3.6 hrs
C: Light Jet = $16,000 @ 4.4 hrs
D: Mid-size Jet = $31,000 @ 4.7 hrs

A-D: Commercial options $750 - $1000 and add ~2 hrs for transit/logistics
Fly-out/Ship-in Considerations

Cost Considerations

• **Standard method ($$$$$)**
  – Accepting TXC sends team on fly-out
  – Full plane costs incurred

• **Standby method ($$$-$$$)**
  – Decreased aircraft costs (smaller plane)
  – Plane on stand by until organ confirmed
  – Significantly decreased costs if aborted (max 1-2hrs flight time)

• **Commercial ($)**
  – Minimal costs

Resource Considerations

• Ties up TXC recovery team including OPO perfusionist
  
• Local OPO to secure recovery team
  
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• Added CIT
• Flexibility in scheduling recovery time
Use of “Local” Recovery Teams

• When we export a liver
  – Outside recovery team = 82% of the time

• When we import a liver
  – We send a team = 58% of the time
  – Ship-ins
    • 55 times (post-era)

<table>
<thead>
<tr>
<th>Transport Type</th>
<th>% of total</th>
<th>Avg CIT* (hrs)</th>
<th>Max CIT* (hrs)</th>
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<tbody>
<tr>
<td>Charter</td>
<td>60%</td>
<td>5.1</td>
<td>9</td>
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<tr>
<td>Commercial</td>
<td>36%</td>
<td>7.9</td>
<td>11.25</td>
</tr>
<tr>
<td>Drive</td>
<td>4%</td>
<td>6.5</td>
<td>9</td>
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</tbody>
</table>

* Xclamp to OR delivery
Fly-out/Charter Cost Comparison

Pre Share 35
• 51 Charter flight events
• Avg $17,650/donor
• = $900k Total

Post Share 35
• 112 Charter flight events
• Avg $12,500/donor
• = $1.4m Total

~$500k increase in transportation costs due to sheer volume
OPO Financial Impact

• Cost report
  – 80 additional livers on cost report d/t imports
    • Increased cost allocation to Liver cost center
    • Increased SAC (anticipate ~5.5%) as a result of G&A shift

• Increased case times (~5 hrs when non-local recovery team)
  – Negligible impact with donor hospital case rates and existing staffing models

• Staffing
  – Increase in liver import offer volume (+45%)
    • No staffing impact: use of existing staff
  – Primary impact on flyout perfusion support
    • Negligible staffing impact = utilizing non-traditional staff (Tissue)
Operational Impact of Share 35: A Regional Perspective

• Share 35 exposed new resource intensive operational challenges

• Region 5 OPO Leadership Met to Review Concerns
  • Loss of transplantable livers
  • Multiple acceptances for a single PTR
  • Last minute declines (just prior to setting OR, post xclamp \{at recovery site or after organ taken to TXC\})
  • Recovery logistics (securing a recovery team, teams refusing to recover, not sending multiple abdominal teams)
  • SLK allocation practices (variation in practice amongst OPOs)
• Process Considerations
  • Hold TXCs to 1hr policy (5.5.B Time Limit for Acceptance)
  • Backup all Regional liver offers, until local PTR identified
    – TXCs to consider legitimate offers/call-in PTRs (Backup Organ Offer 5.4.E)
  • Hold TXCs to a reasonable OR time following allocation (2.12.E Multiple Organ Procurement)
  • Start abdominal allocation after thoracic allocation
    – Helps OPO set OR immediately following abdominal allocation
Regional Sharing Going Forward

• Continue to monitor/assess financial impact
• Communication
  – Need for more immediate and direct follow up of operational challenges
  – TXCs notify OPO when accepting more than one offer
• Flexibility
  – Consider expanding use of local recovery teams
  – When’s the best time (operationally and financially) to go to the OR?
• Tracking Operational Challenges
  – Consider expanding data collection (UNOS hosted)
Observations

• Increase in imports
  – Increase in transportation costs
  – Opportunity to impact costs/process

• Increase in OPO Liver SAC
  – Primarily a result of CMS cost accounting (providing import services)

• OPO operational considerations
  – Unanticipated obstacles
  – Modifying allocation practices
  – Flexibility in recovery times (commercial flights)
Thank You