SECTION BELGIAN TRANSPLANTCOORDINATORS

BTS 2016
BELGIAN TRANSPLANT COORDINATORS
2016

- President: D. Van Deynse (UCL)
- Vice-President: N. Mauws (UZG)
- Be-KPAC: G. Van Beeumen (UZA), Nelly Mauws (UZG)
- Be-ThAC: W. Van Donink (UZA), D. Claes (UZL)
- Be-LIAC: M. H. Delbouille (Ulg), Colenbie Luc (UZG)
- Be-OPC: M. H. Delbouille (Ulg), Nelly Mauws (UZG), Gerda Van Beeumen (UZA), Bruno Desschans (UZL), Annelies De Grauwe(UZB), Dominique Van Deynse(UCL), Gyssens Johan (Erasm)
- LDEP: Nelly Mauws (UZG)
- Belgian Transplant Council: D. Van Deynse (UCL), N. Mauws (UZG)
- Belgian Transplant Society: D. Van Deynse (UCL), N. Mauws (UZG)
- OPC Eurotransplant: Bruno Desschans (UZL)
- CSWG Eurotransplant: W. Van Donink (UZA)
- Financial Committee Eurotransplant: L. Colenbie (UZG)
- ETCO National Keymember: D. Van Deynse (UCL)
EDHEP training: 5 (NL) & 0 (FR) sessions

PRESENTATIONS:

- School: 38%
- Public: 34%
- Professionals: 28%
- School: 38%
REGISTER NATIONAL DATABANK

![Bar chart showing registrations from 2002 to 2016 for PRO and CONTRA.](image-url)
DECEASED ORGAN DONOR STATISTICS 2016
POTENTIAL DECEASED ORGAN DONORS
1990 - 2016
EFFECTIVE DECEASED ORGAN DONORS
1994 - 2016

n = 321
% EFFECTIVE ORGAN DONORS
1990 - 2016
% REASON OF NO DONATION
1991 - 2016
DONOR PROFILE
(DECEASED ORGAN DONORS)
AGE OF EFFECTIVE DONORS
1990 - 2016

Note number of donors
AGE OF ORGAN DONORS 2016

<table>
<thead>
<tr>
<th>Number</th>
<th>DBD</th>
<th>DCD</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child donor &lt;15j</td>
<td>2</td>
<td>1</td>
<td>3</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Age</th>
<th>DBD</th>
<th>DCD</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Donor max</td>
<td>87j</td>
<td>84j</td>
<td>87j</td>
</tr>
<tr>
<td>Donor min</td>
<td>&lt; 1j</td>
<td>11j</td>
<td>&lt; 1j</td>
</tr>
<tr>
<td>Mediaan (IQR)</td>
<td>55 (44 - 66)</td>
<td>57 (48-65)</td>
<td>55 (41-65)</td>
</tr>
<tr>
<td>Average</td>
<td>54</td>
<td>55</td>
<td>52</td>
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</table>

<table>
<thead>
<tr>
<th>Age</th>
<th>Heart</th>
<th>Lung</th>
<th>Liver</th>
<th>Kidney</th>
<th>Pancreas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oldest 2016</td>
<td>63</td>
<td>82</td>
<td>87</td>
<td>80</td>
<td>44</td>
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<tr>
<td>Oldest 2015</td>
<td>66</td>
<td>79</td>
<td>91</td>
<td>79</td>
<td>22</td>
</tr>
<tr>
<td>Oldest 2014</td>
<td>58</td>
<td>79</td>
<td>86</td>
<td>79</td>
<td>49</td>
</tr>
</tbody>
</table>
CAUSE OF DEATH DONORS 2016
DBD & DCD

- Tumor: DBD 21, DCD 4
- Trauma (road accident): DBD 22, DCD 4
- Trauma (other): DBD 30, DCD 1
- Suicide (gunshot): DBD 6, DCD 2
- Other: DBD 4, DCD 4
- Meningitis: DBD 2, DCD 2
- Intoxication (suicide): DBD 22
- ICB: DBD 114, DCD 17
- Euthanasia: DBD 5, DCD 5
- Cerebral Ischemia: DBD 21, DCD 11
- Cardiovascular: DBD 16, DCD 25
- Anoxia / Strangulation: DBD 10, DCD 19
% USED ORGANS OF EFFECTIVE DONORS
2010 - 2016

2016 = 56% of the donors are a tissue donor
STATISTICS 2016

WAITINGLIST (WL)
TRANSPLANTS (DECEASED DONORS)
MORTALITY
HEART 2016

Active WL

Year
- 2003: 33
- 2004: 34
- 2005: 32
- 2006: 29
- 2007: 34
- 2008: 43
- 2009: 58
- 2010: 67
- 2011: 59
- 2012: 76
- 2013: 95
- 2014: 89
- 2015: 110
- 2016: 117
<table>
<thead>
<tr>
<th>Year</th>
<th>Mortality</th>
<th>Single Lung</th>
<th>Double Lung</th>
<th>Active WL</th>
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<tbody>
<tr>
<td>2003</td>
<td>10</td>
<td>28</td>
<td>41</td>
<td>59</td>
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<tr>
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</tr>
<tr>
<td>2005</td>
<td>8</td>
<td>19</td>
<td>44</td>
<td>60</td>
</tr>
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<td>2006</td>
<td>7</td>
<td>34</td>
<td>53</td>
<td>56</td>
</tr>
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<td>2007</td>
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<td>2016</td>
<td>7</td>
<td>3</td>
<td>126</td>
<td>122</td>
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</table>
KIDNEY 2016

Bar chart showing the number of kidney en bloc procedures and transplants (Kidney Tx) and the number of patients on the active waiting list (Active WL) from 2003 to 2016.

- Kidney en bloc: 10, 2, 11, 7, 8, 6, 7, 4, 7, 4, 0, 2, 4, 0
- Active WL: 10, 2, 11, 7, 8, 6, 7, 4, 7, 4, 0, 2, 4, 0

The data is displayed for each year from 2003 to 2016.
<table>
<thead>
<tr>
<th>Year</th>
<th>Mortality</th>
<th>Kidney en bloc</th>
<th>Kidney Tx</th>
<th>Active WL</th>
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<td>2003</td>
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<td>2006</td>
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<td>2007</td>
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<td>840</td>
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<td>2008</td>
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<td>2009</td>
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<td>797</td>
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PANCREAS 2016

<table>
<thead>
<tr>
<th>Year</th>
<th>Islet Tx</th>
<th>Vascular Tx</th>
<th>Active WL</th>
<th>Mortaliteit</th>
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<tr>
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<td>2006</td>
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<tr>
<td>2016</td>
<td>12</td>
<td>11</td>
<td>40</td>
<td>2</td>
</tr>
</tbody>
</table>
Remark procured: liver incl 1 liver for split & 2 single lung donors
LIVING DONOR
Living liver: 3 domino transplants
Results

- 2013: no transplants
- 2014: 2 couples transplanted
- 2015: 5 couples transplanted
- 2016: no transplants
Run 1: April 2013 – Run 6: March 2015
- 2013 – 2016: 6 runs / 36 couples
- Run 7: March 2017 (16 couples)
LIVING DONOR EXCHANGE PROGRAM

Reason of participating

- XM (51%)
- ABO-inc (49%)

Relationship donor - recipient

- Partner (67%)
- Family (6%)
- Friends (8%)
- Sisters (5%)
- Brothers in law (6%)
- Father - Son (8%)
- Others (5%)

The diagrams illustrate the distribution of reasons for participating in the living donor exchange program and the relationship between donors and recipients.
SUMMARY
DONOR

- Increase of 15% positive registrations in the national registry in 2016
- Highest number of potential donors (= potential + effective donors)
  - Increase of 5%
- Effective donors (+2%):
  - Increase of amount DBD donors: 70% DBD in 2016 (66% DBD in 2015)
  - 84% is a liverdonor- 3,4% is a pancreasdonor
- Potential donors:
  - 36% donor refusals for medical reasons (highest number)
  - Family refusals remains stable (13,1%)
CONCLUSION 2016 VS 2015
TRANSPLANTATION

- **HEART**
  - Slight increase of the waitinglist (+6%)
  - Decrease of transplantations (-17%)
  - Higher mortality on WL (17%)

- **LUNG**
  - Waitinglist and transplantations still increases (+16% & +12%)
  - Higher mortality on WL (6%)

- **LIVER**
  - Waitinglist and transplantations remains the same (+1% & +2%)
  - Lower mortality on WL = 26% in 2016 / 36% in 2015
  - Increase of living donation (+28%) – highest number
CONCLUSION 2016 VS 2015
TRANSPLANTATION

- Kidney
  - Slight decrease of WL and transplantations (-2% & -6%)
  - Increase in living donation (+15%)

- Pancreas
  - Decrease of WL (-10%)
  - Amount of vascular transplantations remains the same
THANK YOU FOR YOUR ATTENTION