

## NHS BLOOD AND TRANSPLANT

### CARDIOTHORACIC ADVISORY GROUP

#### HEART-LUNG TRANSPLANT LIST WAITING TIME AND TRANSPLANT OUTCOMES

#### BACKGROUND

- 1 From October 2014, the monthly CUSUM charts for the monitoring of 90-day mortality rates following lung transplantation excluded heart-lung transplants.
- 2 In order to continue monitoring activity and outcome for these transplants, this paper considers heart-lung transplant patients who were transplanted during the period of 1 January 2011 (the beginning of the CUSUM monitoring period) to 30 April 2015. To allow time for 90-day follow-up information to be received, lung transplantation CUSUM charts are run four months after the transplant period ends hence this report considers transplants up to 30 April 2015. Similarly to the monthly CUSUM charts, this report has excluded multi-organ transplants and re-transplantations.
- 3 At the CTAG meeting in April 2015, it was agreed that the median waiting time to transplant and the number of deaths on list, would also be provided. These outcomes are presented for patients registered for their first heart-lung transplant between 1 January 2011 and 30 April 2015. Patients who were also registered for other abdominal organs are excluded in the cohort.

#### OUTCOMES

- 4 **Table 1** shows the number of heart-lung transplants between 1 January 2011 and 30 April 2015 and 90-day mortality by centre.

<b>Table 1 Heart-lung transplants between 1 January 2011 and 30 April 2015</b>			
<b>Centre</b>	<b>Patient group</b>	<b>Number of transplants</b>	<b>Number of deaths within 90 days</b>
Newcastle	Adult	2	1
Papworth		13	1
Birmingham		1	0
Manchester		1	0
Newcastle	Paediatric	1	1
<b>Total</b>		18	3

- 5 **Table 2** shows the number of patients registered for a heart-lung transplant over the period 1 January 2011 to 30 April 2011 and the subsequent number of deaths on the list and number of transplants.

<b>Table 2      Number of registrations and deaths on the list for heart-lung patients registered between 1 January 2011 and 30 April 2015</b>				
<b>Centre</b>	<b>Patient group</b>	<b>Number of registrations</b>	<b>Number of deaths on list</b>	<b>Number of transplants</b>
Birmingham	Adult	3	1	1
Glasgow		1	0	0
Harefield		4	1	1
Manchester		3	0	1
Newcastle		6	0	2
Papworth		24	6	11*
<b>Total</b>		<b>41</b>	<b>8</b>	<b>16</b>
Great Ormond Street	Paediatric	2	1	0
<b>Total</b>		<b>2</b>	<b>1</b>	<b>0</b>

\* 2 of the 11 patients transplanted at Papworth received a bilateral lung transplant.

- 6 The overall median waiting time to transplant for adult patients was estimated to be 569 days (95% confidence interval: 278 to 860 days). Of the 24 registrations from Papworth, 2 of these patients received a bilateral lung only transplant. These patients were censored at the time of transplant.

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