

# **NHS BLOOD AND TRANSPLANT**

## **CARDIOTHORACIC ADVISORY GROUP**

### **SUMMARY FROM STATISTICS AND CLINICAL STUDIES**

#### **INTRODUCTION**

- 1 This paper provides an update from Statistics and Clinical Studies and summarises recent presentations, publications, current and future work.

#### **UPDATE FROM STATISTICS AND CLINICAL STUDIES**

- 2 New and updated reports and all Advisory Group papers and conference presentations continue to be posted on [www.odt.nhs.uk](http://www.odt.nhs.uk) so that they are publically available. This includes the recently completed Interim Cardiothoracic Centre Report. A survey of relevant healthcare professionals and public and patient groups is planned to gain feedback on these annual and interim organ specific reports so that they can continue to be improved and meet the needs of all interested parties.
- 3 The Annual Activity report for 2015/16 is in progress and will be published in the summer. It will show a record breaking year for deceased donors and deceased donor transplants.

#### **PRESENTATIONS**

- 4 A presentation was given at the opening BTS Congress session on the updated cardiothoracic post-transplant survival models.

#### **CURRENT AND FUTURE WORK**

- 5 Results from the Phase 2 Scout Project were presented to the Organ Donation and Transplantation (ODT) Senior Management Team meeting in January 2016. Following this discussion, work is now focussing on monitoring a Business as Usual scout scheme as part of the National Organ Retrieval Service.
- 6 Ongoing support is provided to both the heart and lung working groups in terms of project implementation. In particular, the new heart allocation scheme, including a super-urgent heart tier, is currently in the process of being implemented. Statistical support is required in translating clinical requirements in to IT system functional requirements and in amending automated processes to accommodate for these forthcoming changes to the allocation scheme.
- 7 The Interim Cardiothoracic Report was published in March 2016.
- 8 Support is provided to the DCD Heart Programme Service Evaluation. Final results of the statistical analysis are to be presented to the Steering Group in April 2016.

- 9 Statistical support is provided to a large number of projects as described in the CTAG Clinical Audit Group Chair's Report.
- 10 Fixed term projects, ongoing projects and regular reports that require resource from Statistics and Clinical Studies are outlined in **Table 1**, **Table 2** and **Table 3** respectively.

**Table 1 Fixed Term Projects**

	<b>Title</b>	<b>Planned completion date</b>	<b>Current priority</b>	<b>S&amp;CS resource reqd</b>
1	Heart allocation working group (HAWG)			
	Support implementation of Super Urgent Heart project	Summer 2016	***	**
	Selection and allocation for urgent Heart-Lung patients	Dependent on IT support	***	**
2	Lung allocation working group (LAWG)			
	a) Support implementation of Super Urgent Lung project	Dependent on IT support	***	**
	b) Standardisation of MDT processes for centre-based prioritisation (if urgent lung proposal not accepted/implementation does not progress)	-	**	
3	Scout Project			
	Provide analytical support to the Scout Project Working Group	Ongoing	***	***
4	DCD Heart Programme Service Evaluation			
	Provide analytical support to the Service Evaluation Working Group	Ongoing	***	**
5	Data collection on ischaemia time and reperfusion techniques	Dependent on IT support	***	***
6	Data collection on antibody incompatible transplants	Ongoing	*	**
7	Long-term VAD outcomes analysis	April 2016	**	***
8	Impact of duration between brain stem death and retrieval on heart utilisation and post-transplant outcomes	Summer 2016	**	***
9	Impact of duration between brain stem death and retrieval on lung utilisation and post-transplant outcomes	Summer 2016	**	***
10	Analysis of impact of ischaemia time on lung transplant outcomes	Spring 2016	*	***

11	Outcomes from lung listing analysis	Summer 2016	**	***
12	Comparison of LVAD implantation and heart transplantation as treatments for advanced HF	To begin Summer 2016	*	***
13	DCD lung transplant outcome analysis	Summer 2016	*	**
14	Provide support to NHS England and NHS Scotland funded Clinical Fellows	Ongoing	**	*

**Table 2 Ongoing Projects**

	<b>Title</b>	<b>Planned completion date</b>	<b>Current priority</b>	<b>S&amp;CA resource reqd</b>
1	Patient Support Group meeting	Twice yearly	***	*

**Table 3 Regular Reports**

	<b>Title</b>	<b>Frequency</b>	<b>Current priority</b>	<b>Time taken</b>
1	Summary of CUSUM signals	Twice yearly	**	< 2 hours
2	Heart-Lung transplant outcomes	Twice yearly	**	<2 hours
3	UHAS annual review	Annually	**	One day
4	Characteristics of urgent patients	Annually	***	Two days
5	National stds for donor id, care and mgmt	Discontinued until forms are revised	*	Half day
6	Zonal activity review and adjustment of zonal boundaries if required	Annually	**	One week
7	Access to heart transplantation by blood group	Annually	**	One day
8	Prolonged registrations	Annually	*	Half day
9	Monitoring of GOSH 20cm rule	Annually	*	Half day
10	Fast track scheme review	Biennial	*	One day
11	Audit of ischaemia time components	Annually (once data collection process is in place)	*	One day
12	Annual Organ Specific reports (for NHS England and the website)	Annually	***	One month
13	Interim Organ Specific report (for NHS England and the website)	Annually	***	Two weeks
14	Centre specific organ offer reports	Monthly	**	Half day

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