

NHS BLOOD AND TRANSPLANT
ORGAN DONATION AND TRANSPLANTATION DIRECTORATE
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 The Annual Organ Specific Report on Cardiothoracic transplantation has been published by NHSBT for the first time. The report covers 10 years of cardiothoracic transplant data, from 1 April 2004. It presents information on patients on the transplant list, number of transplants and survival after transplantation on a national and centre-specific basis. Available from <http://www.odt.nhs.uk/uk-transplant-registry/organ-specific-reports>. The associated Interim Report has also been published and will be available on the website soon.
- 3 The Annual Report on Ventricular Assist Devices (VADs) has also been published by NHSBT for the first time. The report presents key figures about ventricular assist device (VAD) implantation in the UK over a 10 years period from 1 April 2004. It presents information on the number of VADs implanted and survival analysis after implant, both on a national and centre-specific basis. Also available from <http://www.odt.nhs.uk/uk-transplant-registry/organ-specific-reports>.
- 4 Rachel Johnson returned to the Statistics & Clinical Studies Department in March 2015, as Head of Organ Donation and Transplantation Services, after spending six months on secondment.

CONFERENCE PRESENTATIONS, CURRENT AND FUTURE WORK**CONFERENCE PRESENTATIONS**

- 5 An oral presentation on 'The effect of total ischaemia time on survival after lung transplantation' was given at the British Transplantation Society Annual Congress in March.

CURRENT AND FUTURE WORK

- 6 Phase 2 of the Scout Project began on 1 April 2015. Electronic data collection forms are being sent to Jenny Lannon. Forms will be audited and analyses will be run on a regular basis to assess the effect of scout attendance upon heart donation and transplantation rates.

- 7 Ongoing support is provided to both the heart and lung working groups.
- 8 Changes to the cardiothoracic allocation zones were made on 15 January 2015. As agreed by CTAG, the assignment of donor hospitals to allocation zones was amended to balance registrations to donor in each allocation zone.
- 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

Title	Planned completion date	Current priority	S&CS resource reqd
1 Heart allocation working group (HAWG)			
Data collection for super-urgent scheme agreed	May 2015	***	**
Selection and allocation for urgent Heart-Lung patients	Sept 2015	***	*
Selection and allocation for urgent Congenital Heart Disease patients	Sept 2015	***	*
2 Lung allocation working group (LAWG)			
a) Data collection for super-urgent scheme agreed and IT project raised	Summer 2015	***	**
b) Business case for implementation taken to ODT SMT	Summer 2015	***	**
b) Standardisation of MDT processes for centre-based prioritisation (if urgent lung proposal not accepted)	Autumn 2015	**	
3 Phase 2 Scout Pilot Project			
Provide analytical support to the Scout Project Working Group	Ongoing	***	***
4 Data collection on antibody incompatible transplants	Ongoing	*	**
5 Long-term VAD outcomes analysis	Sept 2015	**	***
6 Impact of duration between brain stem death and retrieval on heart utilisation and post-transplant outcomes	Sept 2015	**	***
7 ACHD activity and outcome project. Support Dr Mike Burch with statistical analysis	Sept 2015	*	*

8	Implementation of super urgent heart allocation	Dependent on NHSBT IT	***	*
9	Analysis of impact of ischaemia time on lung transplant outcomes	July 2015	*	***
10	Outcomes from listing analysis	Sept 2015	*	***
11	Impact of duration between brain stem death and retrieval on lung utilisation and post-transplant outcomes	Sept 2015	**	***
12	DCD lung transplant outcome analysis	Sept 2015	*	**
13	Provide support to NHS England and NHS Scotland funded Clinical Fellows	Ongoing	**	*

Table 2 Ongoing Projects

	Title	Planned completion date	Current priority	S&CA resource reqd
1	Patient Support Group meeting	Annually	***	*

Table 3 Regular Reports

	Title	Frequency	Current priority	Time taken
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	Annually	*	Half day
6	Zonal activity review and adjustment of zonal boundaries if required	Annually	**	One week
7	Cardiothoracic Activity Report by zone/centre for CTAG	Annually	**	One day
8	Blood group: Waiting time + deaths on list	Annually	**	One day
9	Prolonged registrations	Annually	*	Half day
10	Monitoring of GOSH 20cm rule	Annually	*	Half day
11	Fast track scheme review	Biennial	*	One day
12	Audit of ischaemia time components	Annually	*	One day
13	Annual Organ Specific reports (for NHS England and the website)	Annually	***	One month

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