

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, and current and future work in the area of cardiothoracic transplantation.

UPDATE FROM STATISTICS AND CLINICAL STUDIES

- 2 New and updated reports, all Advisory Group papers and conference presentations continue to be posted on the ODT Clinical Site www.odt.nhs.uk. The following reports have been published on the ODT Clinical Site and circulated to cardiothoracic centres and commissioners since the last CTAG meeting:

The 2019/20 Annual Report on Cardiothoracic Transplantation, and
The 2019/20 Annual Report on Mechanical Circulatory Support Related to Heart Transplantation.

- 3 Please note our current arrangements for staff responsibilities in support of organs and tissues. Sally Rushton went on maternity leave at the beginning of November 2019, with Elisa Allen becoming the new lead for the area of Multi-visceral and Composite Tissue.

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Multi-visceral and Composite Tissue	Elisa Allen	elisa.allen@nhsbt.nhs.uk
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PRESENTATIONS

- 4 A presentation was given on Lung donation and transplantation in the opening plenary of the British Transplantation Society Conference 4-6 March 2020. The slides are available here <https://www.odt.nhs.uk/statistics-and-reports/slides-and-presentations/>.

PUBLICATIONS

- 5 A paper was published on the super-urgent heart allocation scheme in the Journal of Heart and Lung Transplantation.

Rushton S, Parameshwar J, Lim S, Dar O, Callan P, Al-Attar N, Tsui S, MacGowan GA. The introduction of a super-urgent heart allocation scheme in the UK: A 2-year review. The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation [2020 Jun 20;S1053-2498\(20\)31614-4. doi: 10.1016/j.healun.2020.06.013.](#)

RECENT AND FUTURE WORK

- 6 Work has continued, in collaboration with the Winton Centre for Risk Communication, to develop a tool to support conversations between patients and clinicians at the time of listing with regards to the risks and benefits of transplantation. The lung and kidney models have been developed first and then the other organs are due to be developed shortly.
- 7 The [ODT Hub Programme](#), which has seen the implementation and introduction of new offering schemes for most organs, and the transformation and enhancement of previous donation and transplantation processes, has now come to an end. Statistics and Clinical Studies continues to provide support to the ODT Directorate as they move into a business as usual model.
- 8 Work has continued on the UK VAD Database redevelopment in consultation with the VAD centres. However, development has stalled due to failure to recruit an IT developer to implement the changes to the database.
- 9 Fixed term projects and regular reports are listed in **Tables 1** and **2** below.

Lisa Mumford
Statistics and Clinical Studies

September 2020

	Title	Planned completion date	Current priority	S&CS resource reqd
1	Heart Allocation Sub-Group (HASG) Support implementation of 6 Tier Heart Allocation Scheme and potential modelling of a priority system for sensitised patients	2021	**	**
2	Lung Allocation Sub-Group Support monitoring of SULAS, ULAS and NULAS	On-going	**	**
3	DCD Heart Programme Support DCD Heart Working Group and Novel Technologies Implementation Group	Unknown	**	**
4	Implementation of new data collection Grading of retrieved organs Ischaemia time and perfusion techniques Decline reasons Update Transplant Record form and Follow-up	Unknown 2019/20 2019/20 Unknown	** ** ** *	** ** ** **
5	Organ utilisation projects Ideal lung donor initiative Ideal heart donor initiative	On-going On-going	** **	** (Gill Hardman) **
6	VAD Database restructure	2020	***	***
7	Impact of Super-Urgent Heart Allocation Scheme publication	Spring 2020	***	***
8	Impact for Super-Urgent and Urgent Lung Allocation Scheme publication	Spring 2020	***	***
9	Age related outcomes in heart and lung transplantation	Spring 2020	**	***
10	Impact of duration between brain stem death and retrieval on lung utilisation and post-transplant outcomes	Autumn 2019	*	*
11	Analysis of impact of ischaemia time on lung transplant outcomes	Autumn 2019	*	*
12	Review of cardiothoracic risk models	Unknown	*	**
13	VAD risk-adjustment for Annual MCS report	On-hold	*	***
14	Data sharing with Cystic Fibrosis Trust	2019/20	**	**
15	Update of ISHLT data extract	Autumn 2019	**	*

Table 2 Regular Reports

	Title	Frequency	Current priority	Time taken
1	Summary of CUSUM signals for CTAG	Biannually	**	< 2 hours
2	Heart-Lung transplant outcomes for CTAG	Annually	**	<2 hours
3	Urgent/Super-Urgent Heart Allocation Scheme annual review for CTAG	Annually	***	One week
4	Urgent/Super-Urgent Lung Allocation Scheme annual review for CTAG	Annually	***	One week
5	Zonal activity review and adjustment of zonal boundaries if required for CTAG	Annually	**	One week
6	DCD Heart activity report	Quarterly	**	One day
7	Organ grading form analysis (final report for CTAG)	Quarterly	**	Five days
8	<i>Audit of ischaemia time components</i>	<i>Annually (once data collection process is in place)</i>	*	<i>One day</i>
9	Annual Report on Cardiothoracic Transplantation	Annually	***	Two weeks
10	Interim Report on Cardiothoracic Transplantation	Annually	***	One week
11	Annual Report on Mechanical Circulatory Support Related to Heart Transplantation	Annually	***	Two weeks
12	Monthly reporting of transplant and VAD numbers to NHS England	Monthly	***	Half day
13	Centre specific organ offer reports	Monthly and Quarterly	**	Half day
14	CUSUM reports to centres	Monthly	***	Half day
15	Organ damage and usage reports to NORS teams	Monthly	**	<2 hours
16	<i>Cardiothoracic NORS KPIs</i>	<i>Monthly/quarterly (in development)</i>	**	<i>One day</i>
17	Data submission to METHODS for cardiothoracic transplant dashboard for NHS England	Annually	**	One day
18	VAD data chasing reports	Monthly/quarterly	**	<2 hours