

NHS BLOOD AND TRANSPLANT
CARDIOTHORACIC ADVISORY GROUP
CLINICAL AUDIT GROUP CHAIRMAN'S REPORT

SUMMARY

- 1 This paper provides a summary of the work of CTAG Clinical Audit Group since the last CTAG meeting. I would like to acknowledge the work done by Jenny Lannon and her colleagues at NHSBT and the Contribution of the Audit Group members:
 - Dr Jayan Parameshwar
 - Dr Richard Thompson
 - Dr Mike Burch
 - Mr Rajamiyer Venkateswaran

INTRODUCTION

- 2 The Clinical Audit Group held a teleconference of the whole Group on 30 October 2014 and subsequently held a face-to-face meeting on 4 February 2015.

CLINICAL AUDIT FELLOWS

- 3 Sanjeet Singh was appointed as the NHS Scotland funded Clinical Fellow and began in his role on 1 February 2015. Sanjeet is based at the Golden Jubilee Hospital in Glasgow and will be carrying out national work for NHSBT by collecting data from centres on the new ISHLT definition of PGD after heart transplantation. Sanjeet will also be working on a clinical trial on the use of remote preconditioning in cardiac donors (supervised by Professor Al Attar).
- 4 Aravinda Page was appointed as the NHS England funded Clinical Fellow and began his role on 31 March 2015. Aravinda is based at Papworth hospital and will be assisting in the data collection for the Phase 2 Scout Project. He will also be running a study focused on advanced optimisation of poorly functioning donor hearts which involves placing DBD donors on ECMO prior to removal of organs for transplant (supervised by Mr Steven Tsui).

PROJECTS

- 5 Retrospective PGD Heart Study
A project group has been established with a representative from each adult centre and Dr Chris Rogers (University of Bristol) as statistician. A group

teleconference was held on 7th January and a working group conference on 6th March. A multivariable analysis has been performed and a full Group telecon is planned for 24th April.

- 6 **HEART study**
Vamsi has submitted his thesis. The definition of PGD used in this work was different to the new ISHLT definition; the paper describing this has recently been published by Transplantation. It is hoped that other papers will arise from this project.
- 7 **Long-term VAD outcomes**
A second telecon was held on 2 April to discuss preliminary results produced by Mrs Rhiannon Taylor. A number of different outcomes are being analysed including: urgent listing, heart transplant, device explant and death, as well as the incidence of complications (GI bleeding, infection, stroke and pump thrombosis).
- 8 **Outcomes from listing for lung transplantation**
A telecon was held on 12 December 2014 to discuss the project proposal and the project aims. Preliminary analysis by Dr Jenny Lannon is underway and a further telecon will be set up to discuss the results.
- 9 **Effect of ischemia time upon post lung transplant survival**
The results of this project were presented at the 2015 British Transplantation Society Congress by Dr Jenny Lannon. Jenny and Prof John Dark will be writing a paper on these results.
- 10 **ACHD project**
Dr Mike Burch has arranged for an MSc student to collect data for this project starting on 1 May. This will be a simple activity and outcome project for ACHD patients. Outcomes of interest are mortality and morbidity, particularly renal function post-transplant. The study will include both adult and paediatric patients at all centres and Dr Burch will be convening a project group.
- 11 **Interval between Brain Stem Death to organ retrieval**
There are two projects, one for hearts and one for lungs, both overseen by the same project group. A telecon was held on 1 April to discuss results produced to-date on the lung project (involving Prof John Dark, Dr Jenny Lannon and Miss Esther Wong) and how to proceed with the related heart project. Esther and Jenny are continuing with the analysis for both projects and will report the results at the next telecon in May.

DATA APPLICATIONS

- 12 **Miss Lay Ping Ong (Newcastle). Bilateral Lung Transplantation(BLT) vs Single Lung Transplantation(SLT) for end-stage Chronic Obstructive Pulmonary Disease(COPD) - impact on waiting times, early & mid-term survival**

It was decided that this proposal overlapped with the existing Outcomes from Listing project and so Prof John Dark (as the project lead in the application) was invited to join the project group.

- 13 Dr Tony De Soyze (Newcastle). Outcomes for Bronchiectasis
It was decided that this proposal overlapped substantially with the existing Outcomes from Listing project. There are already two representatives from Newcastle on the Outcomes from Listing Project Group and so Dr Soyze has been advised to speak to these representatives.
- 14 Dr Jonathon Evans (Papworth). Socio-economic deprivation and survival after heart transplantation in England.
The Group agreed that the data application should be approved except that data would not be provided in a centre-specific format.

DASHBOARD PROJECT

- 15 John Dark (Chair of the then HLT CRG) had requested help from the Audit Group with this project. Simon Swift from METHODS was invited to the last Audit Group meeting and draft metrics have been discussed by email. However, the future of this project is uncertain in the light of the recent disbanding of the CRG.

NHSBT CENTRE SPECIFIC REPORTS

- 16 The Clinical Audit Group reviewed both the annual cardiothoracic and VAD Centre Specific Reports produced by NHSBT as well as the interim cardiothoracic Centre Specific Reports. There was a lot of feedback regarding the structure and content of the annual VAD report which will be discussed during the CTAG Heart meeting.

OTHER

- 17 Dr Banner has invited one of the CTAG lay members to participate in future Clinical Audit Group meetings and teleconferences.