

NHS BLOOD AND TRANSPLANT
ORGAN DONATION AND TRANSPLANTATION DIRECTORATE
LIVER ADVISORY GROUP
SUMMARY FROM STATISTICS AND CLINICAL STUDIES

INTRODUCTION

- 1 This paper provides an update from Statistics and Clinical Studies and summarises recent presentations and projects.

UPDATE FROM STATISTICS AND CLINICAL STUDIES

- 2 The 2015/16 Interim Report on Liver Transplantation was published in May 2016. The report covers one year of liver transplant data, from 1 October 2014. It presents information on number of transplants and survival after transplantation on a national and centre-specific basis. Reports for all organs are available from <http://www.odt.nhs.uk/uk-transplant-registry/organ-specific-reports>. Accompanying slide sets are also available.
- 3 Rachel Johnson will continue as the NHSBT lead statistician for liver transplantation until Elisa Allen returns in early July, closely supported by Kate Martin and Agne Zarankaite.

RECENT WORK

- 4 An overview of liver transplantation activity, outcomes and the new offering scheme was presented during the Annual Congress of the British Transplantation Society, Bournemouth UK, February 2016. Slides are available here <http://www.odt.nhs.uk/uk-transplant-registry/slides-presentations-for-download/>.
- 5 Work continues on developing the details for the national liver offering scheme. The Core Group discussed this on 9 May.
- 6 Data analysis to assess the impact of weekend liver transplantation upon transplant survival has been completed. We have found a significant reduction in death or graft failure associated with liver transplantation at weekends of 10-20%, which is pertinent only to short-term post-transplant survival. An abstract was accepted at the BASL session of the Digestive Disorders Federation 2015. This is joint work with clinicians at the Royal Free Hospital, London. We are planning to submit to *Transplantation*.

DATA APPLICATIONS

- 7 A standard liver transplant data set has previously been agreed by LAG for provision in response to data applications. The intention is that it will save statistical time in preparing bespoke datasets and provides a wealth of information for research. Data applications not meeting the specified criteria for the standard dataset will be reviewed by the Liver Core Group. A summary of recent Applications for Data including cases where the standard dataset was provided are in the **Appendix**.

APPENDIX

Table Summary of Applications for Data, 1 January 2015 to 31 March 2016					
Study No.	Date of Application	Study subject	Researcher	Researcher location	Status
1	05/03/2015	What are the key regional risk factors that are causing the rise in premature mortality due to liver disease	Mrs Liz Rolfe	Public Health England, Bristol	Completed
2	07/04/2015	The burden of severe liver disease in England	Dr Mary Ramsay/ Annastella Costella	Public Health England, London	Completed
3	24/04/2015	The Impact of Organ Procurement Practice in Transplant Outcomes Following Donation after Cardiac Death (DCD) - A UK Experience	Mr Shahid Farid	Leeds	Completed*
4	23/06/2015	Predictive factors for graft and patient outcomes following liver transplantation with donations after cardiac death and brainstem death.	Dr Neil Halliday	Royal Free	Awaiting Data Release Agreement
5	17/07/2015	Epidemiology of Cancer after solid Organ Transplantation – EPCOT study	Dr Adnan Sharif	Birmingham	To be completed
6	02/09/2015	The changing face of autoimmune liver disease in the UK	Dr Gwilym Webb	Birmingham	Completed
7	13/08/2015	Factors predicting biliary complications in donation after cardiac death (DCD) liver transplantation	Dr Amanda Roebuck	Edinburgh	Completed*
8	22/01/2016	Distance from liver transplant centre and waiting-list and post operative outcomes	Dr Gwilym Webb	Birmingham	Awaiting LAG Core Group approval
9	21/01/2016	Liver transplantation in patients with neuroendocrine tumours	Dr Michail Pizantias	King's College	Awaiting Data Release Agreement*
10	10/02/2016	To investigate outcomes and resource use in the United Kingdom for high pre-transplant MELD recipients.	Dr William Bernal	King's College	Completed*
11	18/02/2016	Comparing QoL following Olt with DCD vs DBD donors in a cohort of UK patients	Mr Francis Robertson	UCL - Royal Free campus	Awaiting LAG Core Group approval

*** Liver transplantation standard dataset (to be) provided**
Any outstanding applications