

**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, publications, and current and future work in the area of liver transplantation.

UPDATE FROM STATISTICS AND CLINICAL STUDIES

- 2 New and updated reports, Advisory Group papers and conference presentations continue to be posted on the ODT Clinical Site www.odt.nhs.uk. The 2018/19 Interim Report on Liver Transplantation has been prepared, reviewed and published on the ODT Clinical Site, together with slide sets and circulated to liver transplant centres and commissioners.
- 3 Please note our current arrangements for staff responsibilities below. We are expanding our portfolio of clinical trials in NHSBT related activities and our involvement in blood donation and transfusion studies, and a number of additional staff are dedicated in these areas.

Area	Lead	Support(s)
Donation	Susanna Madden	Chloe Brown
Organ retrieval	Rebecca Curtis	
Organ utilisation	Sally Rushton	Frederick Smith
Enquiries	Statistical.enquiries@nhsbt.nhs.uk	
Kidney transplantation	Matthew Robb	Chloe Brown, Rachel Hogg
Pancreas and Islet transplantation	Claire Counter	Joanna Bunnett
Liver transplantation	Rhiannon Taylor	Lewis Downward
Multi-visceral and Composite Tissue	Sally Rushton/Mark Jones	Rachel Hogg
Cardiothoracic transplantation	Sally Rushton	Frederick Smith, Rachel Hogg (MCS)
Ocular Tissue	Elinor Curnow	Lewis Downward, Cathy Hopkinson

PRESENTATIONS

- 4 A presentation was given summarising the first 9 months of the National Liver Offering Scheme in the opening plenary of the Joint NHSBT and British Transplantation Society Conference 6-8 March 2019. The slides are available here <https://www.odt.nhs.uk/statistics-and-reports/slides-and-presentations/>.

PUBLICATIONS

5 The following studies has been published since the last report:

Watson CJE, Hunt F, Messer S, Currie I, Large S, Sutherland A, Crick K, Wigmore SJ, Fear C, Cornateanu S, Randle LV, Terrace JD, Upponi S, Taylor R, Allen E, Butler AJ, Oniscu GC
In situ normothermic perfusion of livers in controlled circulatory death donation may prevent ischemic cholangiopathy and improve graft survival. *American Journal of Transplantation* 2018

Taylor R, Allen E, Richards JA, Goh AM, Neuberger J, Collett D, Pettigrew GJ
Survival advantage for patients accepting the offer of a circulatory death liver transplant
Journal of Hepatology 2019

Halliday N, Martin K, Collett D, Allen E, Thorburn D
Is liver transplantation 'out-of-hours' non-inferior to 'in-hours' transplantation? A retrospective analysis of the UK Transplant Registry
BMJ Open 2019

Malik AK, Masson S, Allen E, Akyol M, Bathgate A, Davies M, Hidalgo E, Hudson M, Powell J, Taylor R, Zarankaite A, Manas DM, UK Northern Liver Alliance.
Impact of regional organ sharing and allocation in the UK Northern Liver Alliance on waiting time to liver transplantation and waitlist survival.
Transplantation 2019

CLINICAL FELLOWS

- 6 We have a number of clinical fellows employed to work with NHSBT and the Statistics & Clinical Studies team:
- a. Maria Ibrahim on organ utilisation alongside Professor John Forsythe and Mr Chris Callaghan
 - b. George Greenhall on malignancy in transplantation alongside Professor Chris Watson and Mr Chris Callaghan.
 - c. Gillian Hardman on cardiothoracic transplantation alongside Professor John Dark and Ms Karen Booth

RECENT AND FUTURE WORK

- 7 Statistics and Clinical Studies continue to support the National Liver Offering Scheme monitoring committee, LAG Core Group, ODT Hub team and transplant centres to evaluate and implement any required changes arising from the new liver offering scheme to make sure that no patients are disadvantaged.
- 8 Work will be undertaken to produce an application on the NHSBT website which would allow transplant centres to calculate a patients TBS and provide an estimate of how long the patient may have to wait on the transplant list before receiving a liver.
- 9 Ongoing statistical support to the Normothermic Regional Perfusion (NRP) service evaluation and business case and the LAG Core Group.

DATA APPLICATIONS

- 10 A summary of the current status of applications for data, including cases where the Standard Liver Transplant Data Set has been provided, is shown at **Appendix I**. The Standard Liver Transplant Data Set has been prepared by SCS for provision in response to most data applications. However, some data applications still require bespoke extraction of data from our databases.

ACTION

- 11 Transplant centres are reminded of the importance of maintaining up-to-date and accurate liver waiting lists via the NTxD ODT Patient List application, as we rely on these data to offer livers to transplant centres in the new NLOS and to produce our Annual Report on Liver Transplantation.
- 12 Transplant centres are also reminded to provide post-transplant follow-up information in a timely manner as we rely on this data to produce our Annual Report on Liver Transplantation.
- 13 Current membership of the Liver National Appeals Panels is shown at **Appendix II**. Members are asked to review and advise of any changes.

Rhiannon Taylor
Statistics and Clinical Studies

April 2019

APPENDIX I

Table. Summary of Applications for Data, 1 November 2018 to 31 March 2019

Study No.	Date of Application	Study subject	Researcher	Researcher location	Status
1	21/01/2019	Liver transplantation as a treatment for hepatocellular carcinoma; a study using existing electronic data	Dave Wallace	London School of Hygiene & Tropical Medicine	Approved – completed

Table. Membership of the National Appeals Panel

Chairman	Dr Douglas Thorburn
Deputy chairman	To be confirmed
Centre	Contact
Royal Infirmary of Edinburgh	Kenneth Simpson Dr James Powell
Addenbrooke's - Cambridge	Dr Alex Gimson Mr Paul Gibbs Dr Jo Leithead (elective)
King's College - London	Prof Nigel Heaton Dr Varuna Aluvihare
Royal Free - London	Dr Aileen Marshall Prof Joerg-Matthias Pollok
Freeman Hospital - Newcastle upon Tyne	Dr Mark Hudson Prof Derek Manas
St James's University Hospital - Leeds	Dr Mark Aldersley Mr Magdy Attia
Queen Elizabeth Hospital - Birmingham	Mr John Isaac Dr Andrew Holt