

**NHS BLOOD AND TRANSPLANT
ORGAN DONATION AND TRANSPLANTATION DIRECTORATE
MULTI-VISCERAL AND COMPOSITE TISSUE ADVISORY GROUP
SUMMARY FROM STATISTICS AND CLINICAL STUDIES**

INTRODUCTION

- 1 This paper provides an update from Statistics and Clinical Studies and summarises recent presentations, current and future work in the area of intestinal 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.
- 3 Rachel Johnson has continued as Assistant Director for Statistics and Clinical Studies. Helen Thomas has been appointed to the new role of Head of Clinical Trials Statistics and Lisa Mumford has been appointed to Head of ODT Studies. The group includes statisticians working across NHSBT's remit, the Insight team who support blood donation and the NHSBT Clinical Trials Unit.
- 4 Please note our current arrangements for staff responsibilities in support of organs and tissues.

Area	Lead	Support(s)
Organ donation	Susanna Madden	Rebecca Curtis, Chloe Brown
Organ retrieval	Rebecca Curtis	
Ocular Tissue	Elinor Curnow	Lewis Downward
Organ utilisation	Sally Rushton	Frederick Smith
Enquiries	Statistical.enquiries@nhsbt.nhs.uk	
Kidney transplantation	Matthew Robb	Rachel Hogg, Chloe Brown
Pancreas transplantation	Claire Counter	Joanna Bunnnett
Liver transplantation	Rhiannon Taylor	Lewis Downward
Small bowel transplantation	Sally Rushton	Rachel Hogg
Cardiothoracic transplantation	Sally Rushton	Frederick Smith, Rachel Hogg

- 5 Additionally, we have a number of clinical fellows working in collaboration with the Statistics team; Maria Ibrahim working in organ utilisation supervised by Professor John Forsythe and Mr Chris Callaghan, George Greenhall working in malignancy in transplantation supervised by Professor Chris Watson and Mr Chris Callaghan and Gillian Hardman starting in summer 2019 in cardiothoracic transplantation supervised by Professor John Dark and Ms Karen Booth.

PRESENTATIONS

- 6 A presentation was prepared for the 10th National Intestinal Transplant Forum in Oxford in February 2019 on The Latest Intestinal Transplant Data. This was given by Professor Peter Friend in the absence of Sally Rushton. The slides are accessible on the Slides and Presentations page of the ODT Clinical Site <https://www.odt.nhs.uk/statistics-and-reports/slides-and-presentations/>.
- 7 An abstract has been submitted on behalf of the UK national intestinal transplant programmes to the International Congress of the Intestinal Rehabilitation and Transplant Association (CIRTA) being held in Paris in July. The abstract is included in the **Appendix** of this paper for members' information.

CURRENT AND FUTURE WORK

- 8 Work is underway to facilitate the transfer of intestinal transplant data from the UK Transplant Registry to the Intestinal Transplant Registry (ITR) managed by the Intestinal Transplant Association (ITA) and the Terasaki Institute.
- 9 The HLA DSA post-intestinal transplantation data collection was introduced on 15 September 2017. We have continued reminding HLA laboratories of the data that are due for submission and recording data submitted to us.

Sally Rushton
Statistics and Clinical Studies

February 2019

Appendix – Abstract for CIRTA

Ten year trends in intestinal transplantation in the United Kingdom

Sally Rushton

NHS Blood and Transplant

On behalf of the UK national intestinal transplant programmes

INTRODUCTION

Intestinal transplantation in the UK has been centrally commissioned at four centres since 2008; two paediatric centres (Birmingham Children's Hospital and King's College Hospital) and two adult centres (Cambridge Addenbrooke's Hospital and Oxford Churchill Hospital). The programme has evolved; this study describes the trends over the last 10 years. Mandatory data are collected centrally by National Health Service Blood and Transplant (NHSBT).

METHODS

All patients were included who were registered for or received an intestinal transplant. These were classified as: bowel only (small bowel +/- colon/abdominal wall/kidney, BO), multi-visceral (liver, small bowel, pancreas +/- stomach/kidney/colon, MV), or modified multi-visceral (small bowel, pancreas +/- stomach/kidney/colon/abdominal wall, MMV) between 1 April 2008 and 31 March 2018 were extracted from the UK Transplant Registry held by NHSBT. Trends in age, diagnosis, transplant type and survival post-transplant were analysed.

RESULTS

During the decade, 196 intestinal transplants were performed nationally with an annual increase from 16 in 2008/09 to 26 in 2017/18. Since 2011/12 more transplants have been performed in adults than children, with 65% in adults during the latest year compared with 38% during 2008/09. BO transplants represented 72% of all transplants performed in 2010/11 compared with 27% in the latest year, due to increases in both MV and MMV transplants.

There were 251 registrations onto the transplant list, of which 45% were for short bowel syndrome, 15% motility disorders, 9% tumour, 9% re-grafts, 6% mesenteric thrombosis, 5% intestinal failure associated liver disease, 4% primary mucosal disorders and 5% other identified causes. Short-bowel syndrome has been reported less in recent years.

Of patients placed on the waiting list, 78% were transplanted. One year post transplant patient survival rates are 78% (69%-85%) and 85% (73%-92%) for adults and children respectively.

CONCLUSION

The UK programme transplants 14-26 patients per year, with a trend over time towards adult patients, multi-visceral transplants and away from short-bowel syndrome.