

NHS BLOOD AND TRANSPLANT

LIVER ADVISORY GROUP

SUMMARY FROM STATISTICS AND CLINICAL RESEARCH

INTRODUCTION

- 1 This paper provides an update from Statistics and Clinical Research and summarises current and future work in the area of liver transplantation.

UPDATE FROM STATISTICS AND CLINICAL RESEARCH

- 2 All Advisory Group papers and conference presentations continue to be posted on the ODT Clinical Site www.odt.nhs.uk. The 2020/21 Organ Specific Annual Reports have been published, including the report for liver transplantation, with accompanying slide sets. Infographics to accompany the annual Organ Specific Reports, which summarise key information found in the reports, are now available on the ODT Clinical Site.
- 3 Please note our current arrangements for staff responsibilities in support of organs and tissues.

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- 4 Bowel donor extension update for relevant advisory groups:
On 1st November 2021, the current UK bowel donor criteria was extended for donors after brain death to
- a. 59 years old, or less (was up to 55 years old previously)
 - b. 89 kg, or less (was 79 kg or less)

This decision was endorsed by the MCTAG in October 2020 after reviewing evidence presented by the Statistics and Clinical Research team that indicated that such an extension could result in approximately 4 extra bowel transplants, on average, per year. The following policies have been updated on the website: POL193 - Intestinal Transplantation: Organ Allocation, POL196 – Deceased Donor Liver Distribution and Allocation and POL188 – Clinical Contraindications to Approaching Families for Possible Organ Donation, <https://www.odt.nhs.uk/transplantation/tools-policies-and-guidance/policies-and-guidance/>.

- 5 The process for requesting prioritisation for paediatric and ACLF patients in the hepatoblastoma tier and the subsequent registration process has been published in SOP5907 on the ODT Clinical website (<https://nhsbtbe.blob.core.windows.net/umbraco-assets-corp/25018/sop5907.pdf>)

CLINICAL FELLOWS

- 6 There are currently three clinical fellows working with the Statistics team across areas of organ transplantation;
- a. Maria Ibrahim working in abdominal organ utilisation supervised by Professor John Forsythe and Mr Chris Callaghan,
 - b. George Greenhall working in malignancy in transplantation supervised by Professor Chris Watson and Mr Chris Callaghan,
 - c. Gillian Hardman in cardiothoracic transplantation supervised by Professor John Dark and Ms Karen Booth.

CURRENT AND FUTURE WORK

- 7 Work has continued towards development of Risk Communication Tools across all organs 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 tools have been developed and released and the liver, heart and pancreas tools will follow.
- 8 Monitoring of liver utilisation and transplantation is currently ongoing on a regular basis. An analysis of the impact of the first wave of COVID-19 on liver transplantation has been performed and a manuscript is currently being finalised. The impact of the second wave is currently being analysed.
- 9 Statistics and Clinical Research 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 NLOS to make sure that no patients are disadvantaged.

- 10 On-going support and analyses have been provided to the LAG Core Group and the established fixed term working units.
- 11 Analyses undertaken to examine the impact of updating the parameter estimates and baseline survivor functions used to calculate the Transplant Benefit Score.
- 12 Manuscript being drafted detailing the development of the TBS and the impact of the first two years of the National Liver Offering Scheme.
- 13 A manuscript on the impact of transplant centre workload on post-transplant survival has been drafted and is currently being finalised.
- 14 A manuscript on the factors affecting livers retrieved but not transplanted is also currently being finalised.
- 15 Analyses continue to be undertaken examining life expectancy post liver transplantation analysis for both adult and paediatric patients.

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Statistics and Clinical Research

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