# NHS BLOOD AND TRANSPLANT ORGAN AND TISSUE DONATION AND TRANSPLANTATION

## THE FORTY FOURTH MEETING OF THE LIVER ADVISORY GROUP AT 11:00 AM ON 24 MAY 2023 VIA MS TEAMS

## **MINUTES**

#### ATTENDEES:

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Douglas Thorburn	Chair, Liver Advisory Group / Royal Free Hospital
Anya Adair	Royal Infirmary of Edinburgh
Michael Allison	Addenbrookes, Hospital, Cambridge
Varuna Aluvihare	Kings College Hospital, London
Sarah Banks	Recipient Co-ordinator Representative
Racquel Beckford	King's College Hospital, London
Will Bernal	King's College Hospital, London
Helen Bullock	Product Owner, NHSBT
Lisa Burnapp	AMD for Living Donation and Transplantation, NHSBT
Lee Claridge	St James's University Hospital
Matthew Cramp	University Hospitals Plymouth/BLTG Representative
Audrey Dillon	St Vincent's Hospital, Dublin
Paul Gibbs	Addenbrookes Hospital, Cambridge
Tassos Grammatikopoulos	King's College Hospital, London
Vanessa Hebditch	Chief Executive, British Liver Trust
Emir Hoti	St Vincent's Hospital Dublin
John Isaac	Deputy Chair LAG / University Hospitals, Birmingham
Maria Jacobs	Statistics & Clinical Research, NHSBT
Rebeka Jenkins	Clinical Research, NHSBT
Andrew Madden	Lay Member
Derek Manas	Medical Director, OTDT, NHSBT
Steven Masson	The Freeman Hospital, Newcastle upon Tyne
Krishna Menon	Kings College Hospital, London
Marumbo Mtegha	Paediatric representative, Leeds Teaching Hospital
David Nasralla	Royal Free Hospital, London
Thamara Perera	University Hospitals, Birmingham
Suzie Phillips	Statistics & Clinical Research, NHSBT
Joerg-Matthias Pollok	Royal Free Hospital, London
Raj Prasad	Previous National Liver Clinical Lead for Utilisation
Peter Robinson-Smith	Recipient Co-ordinator Representative
Ian Rowe	Chair of the National Liver Offering Scheme Monitoring
	Committee
Khalid Sharif	University Hospitals, Birmingham
Ken Simpson	Royal Infirmary of Edinburgh
Sanjay Sinha	National Surgical Lead, Clinical Governance, NHSBT
Laura Stamp	Lead Nurse Recipient Coordinator, NHSBT
Rhiannon Taylor	Statistics and Clinical Research, NHSBT
Chris Watson	University of Cambridge
Gwilym Webb	Addenbrookes Hospital, Cambridge
Rachel Westbrook	Royal Free Hospital, London
Steve White	PAG Chair/ The Freeman Hospital, Newcastle upon Tyne
Julie Whitney	Head of Service Delivery - ODT Hub, NHSBT
Michelle Wilkins	Head of Services, CLDF

#### **IN ATTENDANCE:**

Cherrelle Francis-Smith, Medical Director and Group Support, NHSBT Alicia Jakeman, Medical Director and Group Support, NHSBT Harry Spiers, Observer, Addenbrookes Hospital, Cambridge

## **APOLOGIES:**

Becky Clarke, Ian Currie, Rebecca Cooper, Pam Healy, Aileen Marshall, Michael Stokes, Lynne Vernon, Sarah Watson

	Item	Action
1	Declarations of interest	
	There were no declarations of interest.	
2.	Minutes of the last Meeting, held on 02 November 2022 - LAG(M)(22)02	
2.1	Accuracy	
	There were no issues of accuracy raised.	
2.2	Action Points – LAG(AP)(22)2	
	AP6 Colorectal liver metastases	
	K Menon updated the group, advising that the audit has been sent to	K Menon
	centres, referrals are coming in. To be discussed in November LAG	
	meeting.	
	AP7 Cholangiocarcinoma	
	J Isaac advised that a lot of progress has been made, to go to NHSE later	
	this year as a pre-commissioned study.	
2.3	Matters Arising, not separately identified	
	There were no matters arising	
,	Madical Divertoria Deposit	
) <u>.</u>	Medical Director's Report	
3.1	Organ and Tissue Donation and Transplantation (OTDT) Update	
	D Manas provided an OTDT update:	
	The Lead Clinical Lead for Utilisation (CLU) advert has gone out.	
	The Lead CLUs are funded, local CLUs are not funded. A business case	
	has gone to the Department of Health. The Organ utilisation Group (OUG)	
	report stated that their funding is the responsibility of their local Trust.	
	The OUG Report came out in February 2023 with 12 recommendations. DCD hearts will be funded for the next year.	
	NRP & Machine Perfusion funding cases have been submitted.	
	The current National Organ Retrieval Services (NORS) arrangements will	
	be reviewed.	
	A lung summit was held due to poor utilisation, with 18 recommendations,	
	however utilisation has now improved.	
	Consent this month was 76%, the highest rate yet, with consent from ethnic	
	minorities at 56%.	
	There are no CUSUM signals currently under investigation.	
	TransplantPath, the EOS replacement, will be live from Winter 2023.	
	Corneal donation is at an all-time low with 6000 patients waiting.	
	The UW solution issue is ongoing.	
	The OUG recommended that the assessment and recovery centres (ARCs)	
	are to be developed, with the FTWG to look at what the liver community	
	would like.	
	The IT changes that are awaiting have been escalated to the NHSBT	
	Executive Team.	
	A formal review of the principles and fundamentals of NLOS will commence	
	shortly, having been agreed by the Executive Team.	
	V Aluvihare asked if D Manas felt that NORS is delivering, D Manas	
	advised that the transplant process has become prolonged and will	
	therefore be reviewed. This review will take place as soon as possible.	
	Trust funding and renumeration was discussed, with specialised	
	commissioning services falling under block funding sent directly to Trusts.	
	J Isaac asked if NHSBT could do something to ensure that the funding is	
	given directly to the transplant services. The current funding model does not	
	cover work-up when patients are being transplanted at other centres.	
	D Manas advised that Commissioners have advised that a Service Level	
	Agreement will need to be created for this, but NHSBT continue to push for	
	25% to be invested back into NHSBT. S Sinha advised that collaborating	1

	kidney centres have a SLA for the second centre reimbursed by the patients	
	local centre.	
	S Sinha asked if NORS contracts could be changed due to the change in	
	number of retrievals by centres. D Manas advised that a contract review	
	meeting should be held in each centre with some doing more retrievals than	
	others. The Clinical Lead should raise this in their centre's meeting.	
3.2	Overseas travel for transplantation	
	L Burnapp advised members that herself and M Robb, Lead Statistician for	
	kidney transplantation, NHSBT are the national focal points within the	
	Council of Europe for auditing travel for transplantation. This covers both	
	people going outside the UK to receive a transplant and those who wish to	
	seek a transplant in the UK. She highlighted the recent high-profile case that was being prosecuted under the Modern Slavery Act, raising a number	
	of issues around safeguarding. The HTA and Department of Health will	
	make recommendations to Ministers, with new guidance by the end of	
	2023.	
	Any concerns about travel for transplantation should be emailed to;	
	transplants@HTA.gov.uk	
3.3	Liver Utilisation Report (Waiting list dynamic) for noting - LAG(23)01	
0.0	D Thorburn advised that this report is generated monthly for the Liver	
	Centre Director's meeting. There is a 10% reduction in the number of	
	donors, predominantly in DBD donors with a 5% reduction in liver transplant	
	activity. There is subsequently a substantial rise in the size of the waiting	
	list. However, DBD transplantation should hopefully increase due to the	
	increasing consent rates.	
4	Liver Transplant Commissioning	
4. 4.1	Liver Transplant Commissioning NHS England	
4.1	S Watson was not present at the meeting.	
	3 Watsoff was not present at the meeting.	
5.	Update on the National Liver Offering Scheme (NLOS)	
5.1	Benefit realisation on the National Liver Offering Scheme	
5.1.1	60 month data and 5 month review - LAG(23)03, LAG(23)04	
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	It was agreed that NLOS appeared to have delivered on its intended purpose. It was proposed that this information could be generated in a patient friendly format such as an infographic to demonstrate the impact of NLOS.	R Taylor/ LAG Core Group
5.2	Refinements to NLOS (High weight, High INR, Inpatient status) - LAG(23)06	
	R Taylor presented the information on data entered on the patients' registration forms or sequential updates used to determine a patients transplant benefit score (TBS.) She advised of delays by centres to provide data impacts on a patient's position in the offering sequence.  Centres have reported that patients weighing over 100kg had been registered at 100kg weight to ensure they received an appropriate offer. It has been fedback to centres that accurate weights should be recorded; it will be further investigated whether the weight ranges should be applied to all weight groups.  Recipient INR data was also reviewed, to review if the adjusted or actual value was being recorded for patients on Warfarin.	R Taylor
	The impact of patient location on the TBS score was also reviewed, following concerns raised. Having been reviewed by NLOS and LAG Core Group (LAGCG) on May 10 <sup>th</sup> & 11 <sup>th</sup> a letter was sent to centres on May 12 <sup>th</sup> to ask all patients to be listed as outpatients. This was redacted on 26 <sup>th</sup> May and centres were asked to report the true patient location. The impact of this review will be monitored by NHSBT and reported at November's LAG meeting.  Centres were reminded that any concern should be emailed to the Chairs of	R Taylor
	NLOS monitoring committee and LAG and correct information should always be reported to NHSBT for data integrity.  It was agreed the formal process of reviewing centre concerns should be documented.	A Mason/ D Thorburn/ I Rowe
5.3	Flight costs and blue light - LAG(23)07 - for noting	
	D Thorburn highlighted the cost of flights for organs accepted for the	
	purpose of splitting despite there being a paediatric centre geographically closer. Centres should each examine the number of flights they used where the estimated drive time was less than 5 hours.  No further points were raised for discussion.	All Centres
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6.5	Appeals process for small HCCs - LAG(23)13, LAG(23)13b - for noting  D Thorburn confirmed that there will be a monthly MDT to discuss cases.	consent rates
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	for noting  D Thorburn advised that there have been eight organs that have been transplanted. The aim is to eventually move these organs in to the standard offering processes when 75% of recipients are consented to use these.	Julie Whitney to confirm
6.4	C Watson advised that the FTWG looking at governance and drafting guidelines meet two-monthly, when further data is received this will be analysed and will refine the guidance in an evidence-based way.  HCV positive transplants into HCV negative recipients - LAG(23)12 -	
	have not gone well, where some transplants do well in some recipients and not others. The outcome data will be reviewed when this is received, including graft failure. The data collection form was introduced in October 2022 with the outcome data on short-term survival now being received.	
6.3	compared with centres and the referral process has been analysed.  W Bernal confirmed that this data has not yet been looked at but can do this using their post code and will be taken up off-line.  Machine Perfusion report - LAG(23)10, LAG(23)10b - for noting  C Watson advised that the group meet two-monthly to look at cases that	W Bernal/ R Taylor
		147 F
	W Bernal provided the group with a learning summary of the programme, with the ACLF paper distributed to members.  The survival rate for those transplanted is 78%. There is approximately one patient registered per month, 8 (22%) did not receive a transplant and sadly all died at a mean of 13 days after registration.  The appendix summarises trends that have been identified, predicting mortality for this patient group.	

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	H Bullock presented the Prototype for TransplantPath which will be a web-	
	based application with a single sign-on. She asked members for volunteers	A 11
	to be involved in testing and to consider what the impact will be on their centres. H Bullock provided her email address to the Group.	All
9.	RAG Update	
9.1	Paediatric offering pathway paper - LAG(23)14	
	I Currie was not present at the meeting; J Whitney acknowledged and	
	recognised his work and that of the FTWG that completed it. The key points	
	are that in 2011, a lot of paediatric livers were perfused between 8am and midnight with the trend has moving to between midnight and 8am.	
	Reperfusion times for right lobes are consistently over 12 hours, compared	
	with between 8 and 9 hours for the left lobes.	
	The key recommendation is that at the time of acceptance of the split, the	
	accepting centres should indicate what elements of the liver they intend to	
	use. Once an offer is accepted, presuming there are no super-urgent	
	recipients awaiting either liver graft, a plan should be made for NORS	
	teams to arrive at the donor hospital between midnight and 3 am.	
	The Hub will identify the most appropriate rather than the geographically closest NORS team. The graft will be split at the most appropriate centre as	
	previously grafts were travelling a long distance.	
	The group discussed implementing paediatric donor zones and the increase	
	in the number of right lobes being discarded. T Perera advised that there	
	are less than 100 split livers per year. Some are not split as the surgeon will	
	assess the liver and the anatomy before the decision is made and are used	
0.0	as whole organs. Right lobe utilisation will be examined further.	
9.2	NRP quarterly report - LAG(23)15 - for noting  C Watson confirmed that the latest data on conversion rates is 63% from	
	donor dying to the liver being transplanted. He confirmed that Oxford,	
	Manchester and the Royal Free are not yet included from the donor side but	
	Newcastle, Edinburgh, Cardiff and Birmingham are.	
9.3	Super-urgent liver pathway paper - LAG(23)16 - for noting	
	I TABLE CO. T. C.	
	J Whitney confirmed that the timings have improved since the data was	
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	An NHSBT Clinical Fellow will start in September looking at inequalities in	
	access to liver transplantation.	
	Clarity has been added to the Liver Selection Policy regarding how patients	
	who turn 17 while on the transplant list should be handled.	
12.2	National Clinical Trials - LAG(23)20	
	R Taylor provided an update on the clinical trials in organ donation and	
	transplantation that are ran by the NHSBT Clinical Trials Unit (CTU). There	
	are currently 8 current trials, with the DeFat Study opening to recruitment on	
	23 <sup>rd</sup> February 2023, with two centres open. PLUS has now reached its	
	recruitment target of 1035 livers across the 7 UK liver transplant centres	
	and closed to recruitment ahead of schedule.	
12.3	Follow-up form return rates in Annual report on liver transplantation -	
	LAG(23)21	
	Form return rates that will be reported in the Annual Activity Report were	
	highlighted.	
12.4	PROMS & PREMS in solid organ transplantation	
	R Jenkins introduced herself to the group, advising that the broad scope of	
	the research she is undertaking is to integrate patient reported outcome and	
	experience measures with the UK Transplant Registry.	
	All members were encouraged to complete the online survey;	All centres
	https://odt.btru.nihr.ac.uk/measuring-patient-experiences-and-outcomes-in-	
	solid-organ-transplantation-a-survey-of-current-practice/	
13.	Multi-visceral and Composite Tissue Advisory Group (MCTAG) update	
13.		
	A Butler was not present at the meeting, P Gibbs provided an update of the	
	problem of low numbers of donors for paediatric liver/ small bowel	
	multivisceral transplants. A Butler is talking to a team in Spain who do DCD	
	NRP multivisceral transplants who will be attending MCTAG next week.	
14.	AOB	
	D Thorburn advised that T Grammatikopoulos currently chairs a Paediatric	
	LT Group, which should be more formalised to feed into LAGCG as a Sub-	
	Group. There were no objections from members to this proposal, this was	
	agreed.	
	D Thorburn advised that a request was made to make summary points of	
	LAG, for representatives to feedback to their centres. He asked if, on a	
	rotational basis, a centre representative could provide this summary to	M Cramp
	share with the other centres .M Cramp will provide these for this meeting.	
	D Thorburn advised that the LAG Deputy Chair, J Isaac, is retiring on 31st	
	July 2023 and offered his appreciation of his contribution. The process for	
	appointing a new LAG Chair and Deputy Chair will be starting soon.	
	A Dillon advised that there has been an increase in Cholangiocarcinoma	
	referrals to Dublin from UK centres.	
	Dublin data will be included in the benchmarking process and will be	
	included in this years annual report on liver transplantation.	
15.	Date of next meeting	
	29 November 2023 - F2F -	
	Mary Ward House, 5 - 7 Tavistock Place, London, WC1H 9SN	
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16.	FOR INFORMATION	_
16.1	Group 2 Transplants - LAG(23)22	
16.2	HCC Downstaging - LAG(23)23	
16.3	Outcome of appeals - LAG(23)24	
16.4	Prioritised paediatric patient outcomes - LAG(23)25	
16.5	Activity and organ utilisation monitoring (dashboard) - LAG(23)26	
16.6	Minutes of MCTAG meeting - LAG(23)27	
16.7	Minutes of the Retrieval Advisory Group - LAG(23)28	
16.8	QUOD Statistical Reports for LAG - LAG(23)29	
16.9	IT Changes and Update - LAG(23)30 (Liver splitting criteria, FT trigger,	
10.9	Update of NLOS & Crossmatch)	
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