

NHS BLOOD AND TRANSPLANT

LIVER ADVISORY GROUP

GROUP 2 AND NON-UK RESIDENT EU GROUP 1 PATIENT TRANSPLANTS

SUMMARY

BACKGROUND

- 1 This paper reports on a) liver transplants performed in Group 2 patients and b) liver transplants performed in Group 1 non-UK resident EU patients, between 1 April 2015 and 31 March 2016.

METHODS

- 2 Data on all Group 2 patients and all Group 1 non-UK resident EU patients who received a liver transplant in the UK between 1 April 2015 and 31 March 2016 were obtained from the UK Transplant Registry (UKTR) as recorded on 3 April 2016.

RESULTS

Group 2 patients

- 3 There were 10 Group 2 liver transplants performed in the UK between 1 April 2015 and 31 March 2016: five in paediatric patients and five in adult patients. Of these 10 transplants performed, eight used a reduced liver from a living donor, one used a whole liver from a UK donor after brain death (DBD), and one used a whole liver from a non-UK donor after brain death (DBD).

Group 1 non-UK resident EU patients

- 4 There were 11 Group 1 non-UK resident EU patient liver transplants performed in the UK between 1 April 2015 and 31 March 2016: two in paediatric patients and nine in adult patients. Of these 11 transplants performed, two received a split liver transplant from a UK DBD donor, seven received a whole liver transplant from a UK DBD donor and two received a whole liver transplant from a UK DCD donor.

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GROUP 2 AND NON-UK RESIDENT EU GROUP 1 PATIENT TRANSPLANTS

BACKGROUND

- 1 This paper reports on a) liver transplants performed in Group 2 patients and b) liver transplants performed in Group 1 non-UK resident EU patients in 2015/16.

METHODS

- 2 Data on all Group 2 patients and all Group 1 non-UK resident EU patients who received a liver transplant in the UK between 1 April 2015 and 31 March 2016 were obtained from the UK Transplant Registry (UKTR) as recorded on 3 April 2015.

RESULTS

Group 2 transplants

- 3 **Table 1** summarises Group 2 liver transplants by transplant centre, transplant type and donor type in 2015/16.

Transplant centre	Transplant type	Donor type		Total
		DBD	Living	
King's College	Reduced	0	8	8
	Whole	2	0	2
TOTAL		2	8	10

DBD=Donors after brain death; DCD=Donors after circulatory death

- 4 There were 10 Group 2 liver transplants performed in the UK between 1 April 2015 and 31 March 2016. Of these, five were in paediatric patients. Three paediatric patients received a reduced liver transplant using a liver from a living donor, one paediatric patient received a whole liver from a UK DBD donor and another paediatric patient received a whole liver from a non-UK DBD donor.
- 5 All five adult Group 2 patients received a reduced liver transplant using a liver from a living donor. None of these patients were registered as super-urgent.
- 6 The permanent country of residence, recorded on the UKTR, for the five paediatric Group 2 patients was Kuwait (3), Qatar (1) and Saudi Arabia (1). The permanent country of residence for the five adult Group 2 patients was Kuwait (3) and UAE (2).
- 7 **Appendix I** contains details of all patients in this cohort.

- 8 Further information regarding the two deceased UK donor livers used to transplant Group 2 adult patients, as recorded on the UKTR, is provided in **Table 2**.

Table 2 Further information regarding the two UK deceased donor livers used to transplant Group 2 patients			
Donor type	Recipient age at transplant (years)	Transplant type	Liver offering information recorded on the UKTR
DBD	Paediatric	Whole	Paediatric donor. Cambridge, Edinburgh and Leeds declined for Group 1 patient because there were no suitable recipients. Newcastle and Royal Free declined for Group 1 patient due to unsuitable donor size and HLA/ABO type, respectively. Birmingham did not respond to a fast track offer for Group 1 patient. King's College accepted for Group 2 patient.
DBD	Paediatric	Whole	Adult donor. King's College and Newcastle declined for Group 1 patient because of anatomical reasons. Edinburgh and Cambridge declined for Group 1 patient because they were already transplanting. Leeds, Royal Free and Birmingham declined for Group 1 patient due to no beds being available, poor function and too long cold ischemia time, respectively. King's College accepted for Group 2 patient.

Group 1 non-UK resident EU patient transplants

- 9 **Table 3** summarises Group 1 transplants for non-UK resident EU patients by transplant centre, transplant type and donor type from 1 April 2015 to 31 March 2016.

Transplant centre	Transplant type	Donor type		Total
		DBD	DCD	
King's College	Split	1	0	1
	Whole	5	2	7
Birmingham	Split	1	0	1
	Whole	2	0	2
TOTAL		9	2	11

DBD=Donors after brain death; DCD=Donors after circulatory death

- 10 There were 11 Group 1 non-UK resident EU patient liver transplants performed in the UK in the time period. Of these, two were in paediatric patients. Both patients received a split liver transplant using a liver from a UK DBD donor.
- 11 Of the nine adult non-UK resident EU Group 1 patients, seven patients received a whole liver transplant from a UK DBD donor and two patients received a whole liver transplant from a UK DCD donor. None of these patients were registered as super-urgent.
- 12 The permanent country of residence, recorded on the UKTR, for the two paediatric Group 1 non-UK resident EU patients was Bulgaria (1) and Malta (1). The permanent country of residence for the nine adult Group 1 non-UK resident EU patients was Cyprus (3), Gibraltar (2) and Malta (4).
- 13 **Appendix II** contains details of all patients in this cohort.

Appendix I Details of the Group 2 patient liver transplants in the UK, 1 April 2015 - 31 March 2016				
Patient number	Age at transplant (years)	Urgency status	Donor type	Transplant type
King's College				
1	Paediatric	Elective	DBD	Whole
2	Paediatric	Elective	DBD	Whole
3	Adult	Elective	Living	Reduced
4	Adult	Elective	Living	Reduced
5	Adult	Elective	Living	Reduced
6	Paediatric	Elective	Living	Reduced
7	Paediatric	Elective	Living	Reduced
8	Paediatric	Elective	Living	Reduced
9	Adult	Elective	Living	Reduced
10	Adult	Elective	Living	Reduced

DBD=Donors after brain death; DCD=Donors after circulatory death

Appendix II Details of the Group 1 non-UK resident EU patient liver transplants in the UK, 1 April 2015 - 31 March 2016				
Patient number	Age at transplant (years)	Urgency status	Donor type	Transplant type
Birmingham				
1	Paediatric	Elective	DBD	Split
2	Adult	Elective	DBD	Whole
3	Adult	Elective	DBD	Whole
King's College				
4	Adult	Elective	DBD	Whole
5	Adult	Elective	DBD	Whole
6	Adult	Elective	DBD	Whole
7	Paediatric	Super-urgent	DBD	Split
8	Adult	Elective	DBD	Whole
9	Adult	Elective	DBD	Whole
10	Adult	Elective	DCD	Whole
11	Adult	Elective	DCD	Whole

DBD=Donors after brain death; DCD=Donors after circulatory death