

NHS BLOOD AND TRANSPLANT

BOWEL ADVISORY GROUP

SUMMARY OF REGISTRATIONS AND TRANSPLANT ACTIVITY

INTRODUCTION

- 1 This paper provides information on recent registrations for an intestinal transplant and a summary of recent transplant activity in the UK. Median waiting time to transplant is also provided.

DATA AND METHODS

- 2 Data on registrations for an intestinal transplant between 1 October 2011 and 30 September 2012 are provided as well as a summary of the intestinal transplant activity between 1 October 2010 and 30 September 2012.
- 3 The Kaplan-Meier estimation method was used to estimate median waiting time to intestinal transplantation for registrations between 1 April 2008 and 31 March 2012.

REGISTRATION ACTIVITY

- 4 In the period between 1 October 2011 and 30 September 2012, there were 25 registrations for an intestinal transplant. The outcome of these registrations for paediatric and adult patients, as at 4 October 2012, broken down by transplant centre can be found in **Table 1**. Note that no patients registered in this time period had been removed at time of analysis.

Table 1 Outcome of intestinal transplant registrations in the UK between 1 October 2011 and 30 September 2012, by patient age group and transplant centre

Transplant centre	Outcome of registrations as at 4 October 2012								No. regns N
	Transplanted		Died		Suspended		Active		
	N	%	N	%	N	%	N	%	
Paediatric recipients									
Birmingham	3	50	2	33	0	0	1	17	6
King's College	2	100	0	0	0	0	0	0	2
Total	5	63	2	25	0	0	1	13	8
Adult recipients									
Cambridge	5	38	1	8	2	15	5	38	13
Oxford	3	75	0	0	0	0	1	25	4
Total	8	47	1	6	2	12	6	35	17
TOTAL	13	52	3	12	2	8	7	28	25

Note: No patients registered in this time period had been removed at time of analysis.
Percentages have been rounded to the nearest whole number and are based on small numbers.

- 5 Of the 25 registrations for an intestinal transplant between 1 October 2011 and 30 September 2012, 13 (52%) resulted in a transplant, as at 4 October 2012. A breakdown of these transplants by transplant centre and type can be found in **Table 2** for paediatric and adult recipients.

Table 2 Intestinal transplants in the UK, by recipient age group, transplant centre and type, that resulted from registrations between 1 October 2011 and 30 September 2012

Transplant centre	Transplant type				Total
	BO	MV	MMV	LBP	
	N	N	N	N	N
Paediatric recipients					
Birmingham	2	0	0	1	3
King's College	1	1	0	0	2
Total	3	1	0	1	5
Adult recipients					
Cambridge	0	5	0	0	5
Oxford	3	0	0	0	3
Total	3	5	0	0	8
TOTAL	6	6	0	1	13

Note: BO=Bowel only, MV=Multivisceral, MMV=Modified multivisceral, LBP=Liver, bowel and pancreas
BO comprises all intestinal transplants that did not include a liver or pancreas

- 6 **Table 3** shows the median waiting time to intestinal transplant by registration type for patients registered between 1 April 2008 and 31 March 2012, calculated as at 4 October 2012. Overall median waiting time was 168 days. There was no significant difference between the different types of registration.

Table 3 Median waiting time to intestinal transplant for patients registered between 1 April 2008 and 31 March 2012 in the UK, as at 4 October 2012

Registration type	Number of patients registered	Waiting time (days)	
		Median	95% Confidence interval
Bowel only	38	171	97 - 245
Including a liver	43	168	56 - 280
Not including a liver	26	140	0 - 407
Total	107	168	124 - 212

Note: Waiting times are calculated excluding known suspension periods, and for BO registration may be up to a week longer

TRANSPLANT LIST

- 7 A description of the 16 patients on the active/suspended intestinal transplant list as at 4 October 2012 is presented in **Table 4**, for each transplant centre.

Table 4 Patients on the intestinal transplant list in the UK as at 4 October 2012

Organs required	Age (years)	Weight (kg)	BMI (kg/m ²)	Blood group	Disease	Waiting times (days)
Birmingham						
Liver, bowel, stomach, colon					Chronic rejection	
Cambridge						
Bowel, pancreas, kidney, stomach					Pancreatitis leading to enterectomy and PN requirement	
Liver, bowel, pancreas, stomach, colon ²					Budd-Chiari Syndrome	
Bowel, pancreas, stomach, abdominal wall					Visceral neuropathy/myopathy	
Liver, bowel, pancreas					Cystic fibrosis related liver disease	
Liver, bowel, pancreas, stomach, abdominal wall, colon					Primary vascular disease	
Liver, bowel, pancreas, stomach, abdominal wall ¹					Gardner's syndrome, desmoid disease	
Liver, bowel, pancreas, kidney, stomach ¹					Acute rejection	
Liver, bowel, pancreas, stomach, colon					Portal and mesenteric thrombosis/decompensated liver cirrhosis	
Liver, bowel, pancreas, stomach, colon					Short Bowel syndrome caused by infarction following Whipples disease	
Oxford						
Bowel, abdominal wall					Visceral neuropathy/myopathy	
Bowel, abdominal wall					Ulcerative colitis	
Bowel					Crohn's disease	
Bowel, pancreas, kidney, stomach					Type I diabetes, associated enteropathy and gastropathy requiring TPN on a long-term basis	
Bowel, pancreas, stomach, spleen, abdominal wall, right colon ¹					Visceral myopathy of gut	
Bowel, pancreas, stomach, spleen, abdominal wall, right colon					Cholestatic disease	

¹ Patient currently suspended

² Registered before 1 April 2008

Note: Waiting times are calculated excluding suspension periods, and for BO registrations may be up to a week longer

TRANSPLANT ACTIVITY

- 8 Between 1 October 2011 and 30 September 2012, 20 intestinal transplants were performed. 20 intestinal transplants were performed in the earlier time period of 1 October 2010 and 30 September 2011.
- 9 A summary of these transplants, for paediatric and adult patients, broken down by transplant centre and type can be found in **Table 5**, for each of the two time periods.

Table 5 Intestinal transplants in the UK between 1 October 2011 and 30 September 2012, by recipient age group, transplant centre and type (1 October 2010 and 30 September 2011)

Transplant centre	Transplant type									
	BO		LBP		MV		MMV		Total	
	N	N	N	N	N	N	N	N	N	N
Paediatric recipients										
Birmingham	3	(5)	3	(0)	0	(0)	0	(1)	6	(6)
King's College	1	(3)	0	(0)	1	(0)	0	(0)	2	(3)
Total	4	(8)	3	(0)	1	(0)	0	(1)	8	(9)
Adult recipients										
Cambridge	0	(1)	0	(1)	5	(5)	1	(1)	6	(8)
Oxford	6	(3)	0	(0)	0	(0)	0	(0)	6	(3)
Total	6	(4)	0	(1)	5	(5)	1	(1)	12	(11)
TOTAL	10	(12)	3	(1)	6	(5)	1	(2)	20	(20)

Note: BO=Bowel only, LBP=Liver, bowel and pancreas, MV=Multivisceral, MMV=Modified multivisceral, BO comprises all transplants not including a liver or a pancreas