

Guy's Hospital, London
Overview of activity, 2005 - 2007

Table 1: Overview of activity

Age of patient (years)	Number of patients on transplant list (daily average)	Percentage ¹ of patients ² receiving kidney only transplant within 1 year of listing	Number of transplants carried out (annual average)					Number ³ of kidneys ⁴ retrieved by alliance (annual average)
			All transplants	Kidney only transplants from:			Multi-organ transplants that include a kidney	
				Heartbeating donors	Non-heartbeating donors	Live donors		
<18	9	59	11	4	0	7	0	248
≥18	328	25	132	42	9	58	23	

¹ As a percentage of the number of patients newly listed on the deceased donor transplant list between 2003 and 2005
² Exclusions - patients who received live donor transplants (as centre practices with regards to listing of such patients differ) and patients registered for kidney/pancreas transplant
³ Total of kidneys retrieved by centres in the South Thames alliance
⁴ Kidneys donated by adult or paediatric deceased or live donors

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Table 2: Donors (Note: Deceased donor numbers are totals for all centres in the South Thames alliance)

Deceased donors (annual average)			Live donors (annual average)	
Heartbeating	Non-heartbeating		Number	% of transplants in which kidneys from live donors were used ^{2,3}
Number	Number	% of transplants in which kidneys from non-heartbeating donors were used ^{1,2}		
63	11	10	65	28

¹ All non-heartbeating donor kidneys were transplanted in adult patients

² As a percentage of all transplants at the alliance (non-heartbeating donors) or centre (live donors) in adult or paediatric patients using kidneys from live or deceased donors

³ See Table 4 for numbers of transplants in paediatric and adult patients

Table 3: Patients on the active transplant list

Age of patient (years)	Number of patients on the transplant list (daily average)	Percent change in list size over time period	Number of patients joining the deceased donor transplant list (2003-2005) ¹	Percentage of patients receiving kidney only transplant within:		
				6 months	1 year	2 years
<18	9	-3	17	47	59	76
≥18	328	+19	351	12	25	36

¹ Exclusions - patients who received live donor transplants (as centre practices with regards to listing of such patients differ) and patients registered for a kidney/pancreas transplant

Table 4: Transplants

Age of patient at transplant (years)	Number of transplants carried out (annual average)	Number of kidney only transplants from: (annual average)			Number of multi-organ transplants that include a kidney (annual average)
		Deceased donors		Live donors	
		Heartbeating	Non-heartbeating		
<18	11	4	0	7	0
≥18	132	42	9	58	23

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Survival rates

Table 5: Survival rates for adult (age \geq 18 years) transplant patients¹
(Note: Only the risk-adjusted rates for a centre can be validly compared with the 'All centres' rates)

	This centre					All centres		
	Number of transplants	Unadjusted		Risk-adjusted		Number of transplants	Survival estimate (%)	95% CI
		Survival estimate (%)	95% CI	Survival estimate (%)	95% CI			
First deceased donor transplants								
1 year survival Graft	262	92	(87, 94)	92	(80, 100)	4987	92	(92, 93)
Patient	262	96	(93, 98)	96	(85, 100)	4987	96	(95, 97)
5 year survival Graft	309	83	(78, 86)	84	(74, 95)	5047	82	(81, 83)
Patient	309	87	(83, 90)	88	(78, 100)	5047	87	(86, 88)
Live donor transplants								
1 year survival Graft	211	98	(95, 99)	98	(85, 100)	2242	96	(95, 96)
Patient ²	187	100	-	100	-	1955	98	(98, 99)
5 year survival Graft	126	94	(88, 97)	94	(78, 100)	1409	88	(87, 90)
Patient ²	118	94	(88, 97)	94	(77, 100)	1232	95	(94, 96)

¹ Cohorts for survival rate estimation:
1 year survival: 1 Jan 2002 - 31 Dec 2006
5 year survival: 1 Jan 1998 - 31 Dec 2002

² First grafts only - re-grafts excluded for patient survival estimation

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Survival rates

Table 6: Survival rates for paediatric (age < 18 years) transplant patients¹
(Note: Only the risk-adjusted rates for a centre can be validly compared with the 'All centres' rates)

	This centre					All centres		
	Number of transplants	Unadjusted		Risk-adjusted		Number of transplants	Survival estimate (%)	95% CI
		Survival estimate (%)	95% CI	Survival estimate (%)	95% CI			
First deceased donor transplants								
1 year survival Graft	20	85	(60, 95)	85	(49, 100)	334	92	(89, 95)
Patient	20	100	-	100	-	334	100	(98, 100)
5 year survival Graft	37	81	(63, 91)	81	(55, 100)	385	77	(72, 81)
Patient	37	94	(78, 98)	94	(66, 100)	385	98	(96, 99)
Live donor transplants								
1 year survival Graft	35	100	-	100	-	231	97	(94, 99)
Patient ²	35	97	(81, 100)	97	(67, 100)	211	99	(96, 100)
5 year survival Graft	37	82	(65, 92)	82	(55, 100)	166	84	(77, 89)
Patient ²	35	93	(75, 98)	94	(65, 100)	153	96	(90, 98)

¹ Cohorts for survival rate estimation:
1 year survival: 1 Jan 2002 - 31 Dec 2006
5 year survival: 1 Jan 1998 - 31 Dec 2002

² First grafts only - re-grafts excluded for patient survival estimation