

Guy's Hospital, London
Overview of activity, 2006 - 2008

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	8	63	14	5	0	9	0	289
≥18	308	19	155	44	11	72	27	

¹ As a percentage of the number of patients newly listed on the deceased donor transplant list between 2004 and 2006

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 ^{1,2}
Number	Number	% of transplants in which kidneys from non-heartbeating donors were used ¹		
67	15	10	82	32

¹ 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

² 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 (2004-2006) ¹	Percentage of patients receiving kidney only transplant within:		
				6 months	1 year	2 years
<18	8	+32	16	31	63	88
≥18	308	+29	348	10	19	32

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	14	5	0	9	0
≥18	155	44	11	72	27

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Survival rates

Table 5: Survival rates for adult (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	241	92	(87, 95)	92	(80, 100)	4923	93	(92, 93)
Patient	241	97	(94, 99)	97	(85, 100)	4923	96	(96, 97)
5 year survival Graft	300	81	(76, 85)	82	(72, 93)	4989	82	(81, 83)
Patient	300	87	(83, 91)	89	(79, 100)	4989	87	(86, 88)
Live donor transplants								
1 year survival Graft	251	98	(95, 99)	97	(86, 100)	2670	96	(95, 97)
Patient ²	225	99	(96, 100)	99	(86, 100)	2305	99	(98, 99)
5 year survival Graft	142	95	(90, 98)	95	(80, 100)	1583	89	(87, 90)
Patient ²	130	94	(88, 97)	94	(78, 100)	1386	95	(94, 96)

¹ Cohorts for survival rate estimation:
1 year survival: 1 Jan 2003 - 31 Dec 2007
5 year survival: 1 Jan 1999 - 31 Dec 2003

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)	84	(49, 100)	327	93	(89, 95)
Patient	20	100	-	100	-	327	100	(98, 100)
5 year survival Graft	33	80	(60, 90)	78	(51, 100)	387	78	(73, 82)
Patient	33	93	(75, 98)	93	(63, 100)	387	98	(96, 99)
Live donor transplants								
1 year survival Graft	35	100	-	100	-	236	97	(93, 98)
Patient ²	34	100	-	100	-	218	99	(96, 100)
5 year survival Graft	43	87	(72, 95)	86	(61, 100)	188	89	(83, 93)
Patient ²	41	94	(80, 99)	95	(68, 100)	172	95	(90, 97)

¹ Cohorts for survival rate estimation:
1 year survival: 1 Jan 2003 - 31 Dec 2007
5 year survival: 1 Jan 1999 - 31 Dec 2003

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