

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 <sup>1</sup> of patients <sup>2</sup> receiving kidney only transplant within 1 year of listing | Number of transplants carried out (annual average) |                               |                         |             |   | Number <sup>3</sup> of kidneys <sup>4</sup> 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  |  |

<sup>1</sup> As a percentage of the number of patients newly listed on the deceased donor transplant list between 2004 and 2006  
<sup>2</sup> 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  
<sup>3</sup> Total of kidneys retrieved by centres in the South Thames alliance  
<sup>4</sup> Kidneys donated by adult or paediatric deceased or live donors

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

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 <sup>1,2</sup> |
| Number                           | Number           | % of transplants in which kidneys from non-heartbeating donors were used <sup>1</sup> |                              |   |
| 67                               | 15               | 10  | 82                           | 32  |

<sup>1</sup> 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

<sup>2</sup> 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) <sup>1</sup> | 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      |

<sup>1</sup> 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   |

Guy's Hospital, London  
Survival rates

Table 5: Survival rates for adult (age <sup>≥</sup> 18 years) transplant patients<sup>1</sup>  
(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    |                       |                       |          |
| <b>First deceased donor transplants</b> |                       |                       |           |                       |           |                       |                       |          |
| 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) |
| <b>Live donor transplants</b>           |                       |                       |           |                       |           |                       |                       |          |
| 1 year survival Graft                   | 251                   | 98                    | (95, 99)  | 97                    | (86, 100) | 2670                  | 96                    | (95, 97) |
| Patient <sup>2</sup>                    | 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 <sup>2</sup>                    | 130                   | 94                    | (88, 97)  | 94                    | (78, 100) | 1386                  | 95                    | (94, 96) |

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

<sup>2</sup> First grafts only - re-grafts excluded for patient survival estimation

Guy's Hospital, London  
Survival rates

Table 6: Survival rates for paediatric (age < 18 years) transplant patients<sup>1</sup>  
(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    |                       |                       |           |
| <b>First deceased donor transplants</b> |                       |                       |          |                       |           |                       |                       |           |
| 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)  |
| <b>Live donor transplants</b>           |                       |                       |          |                       |           |                       |                       |           |
| 1 year survival Graft                   | 35                    | 100                   | -        | 100                   | -         | 236                   | 97                    | (93, 98)  |
| Patient <sup>2</sup>                    | 34                    | 100                   | -        | 100                   | -         | 218                   | 99                    | (96, 100) |
| 5 year survival Graft                   | 43                    | 87                    | (72, 95) | 86                    | (61, 100) | 188                   | 89                    | (83, 93)  |
| Patient <sup>2</sup>                    | 41                    | 94                    | (80, 99) | 95                    | (68, 100) | 172                   | 95                    | (90, 97)  |

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

<sup>2</sup> First grafts only - re-grafts excluded for patient survival estimation