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"Results of 1020 renal transplants: Single center experience "

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Abstract:

From 1986 to 1996, 1020 renal transplants were performed at our center. The purposes of this study were. 1) to evaluate the patient and graft survival rates and 2) to see if some donors and recipient characteristics such as age, sex and relationship had any effects on graft survivals. 571 transplants were from living related donors (LRD) and 446 from living unrelated donors (LUD). 65.9% of recipients were males and 34.1% females, with the age range of 8-66 years. 72.5% of donors were males and 27.5% females with age range of 17-69 years. 91.3% of unrelated donors were males with a mean age of 28.8 ± 5.6 years. From 1020 recipients 737 (72.2%) were alive with a functioning graft. 211 (20.2%) were alive with a functioning graft. 211 (20.7%) had returned to dialysis and 72 (7.1%) had died with a functioning graft. Of 211 recipients who returned to dialysis, 171 were still alive and 40 had died. The overall patient survival was 98% and graft survival 72.7%. 726 patients who had transplant before October 1993 (at least 3 years post transplant) were selected for this study. 388 transplants were from LRD and 338 from LUD. In 388 LRD transplant patients, survival was 96.1%, and 95% and graft survival was 92.1% 87.6% and 81.9% in 1, 2 and 3 years respectively. Graft survivals in 1, 2 and 3 years were significantly better in LRD transplants as compared to LUD transplants ($P < 0.05$, $P < 0.005$, $P < 0.005$) but there was no significant correlation in patient survivals. By performing log-rank test in Kaplan-Meier analysis there was also a significant correlation between graft survival and patient age group ($P < 0.002$) and donor recipient relation ($P < 0.02$) but not with donor recipient sex. No correlation was also found when the graft survival of female patients with history of pregnancy was compared with those who had no pregnancy.

Keywords:

[Kidney transplantation](#) , [Graft survival](#) , [Patient survival](#) , [Living related donor](#)

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