Abstract:

Background and Objectives: Preemptive living-donor kidney transplantation (PLDKT) is the optimal treatment option for ESRD patients. Our aim is the description of the demographic characteristics of those patients that may encourage this therapeutic trend. Patients and Methods: We prospectively studied the recipients of PLDKT in Misr Kidney Center and Giza Renal center in the period from June 2010 to June 2012. We compared this group of PLDKT (group I) with another group of non-PLDKT recipients who received dialysis for ≤ 6 months (group II). In each group, we studied age [donors and recipients including recipient-donor age difference which was divided into positive (recipient older than donor) and negative (recipient younger than donor)], sex, education level, body weight and body mass index. Results: Group I included 30 PLDKT recipients (20 males and 10 females) with a mean age of 43.7 (7-62) years and mean donors age of 30 (21-44) years. Group II included 15 non-PLDKT recipients (9 males and 6 females) with a mean age of 34.3 (16-60) years and mean donors age of 28.4 (21-45) years. Recipient-donor age difference percentages as positive versus negative were, respectively, 93.3% versus 6.7% in group I and 60% versus 40% in group II. In group I, the high education level (university education or higher) represented 56.7%. However, in group II the middle education level (secondary school education) represented 53.3%. The mean body weight (76.18 kg and 78.4 kg) and mean body mass indices (26.6 kg/m2 and 27.4 kg/m2) were comparable between the two groups. Conclusion: Demographically, PLDKT recipients were older, have higher education levels than those recipients of non-PLDKT and relatively more old than their donors. However, both groups were comparable in percentages of recipient sex and means of body weight, body mass index and donors’ age.

Keywords:

Demographic- ESRD  ᵾ Preemptive- Living Donor  ᵾ Kidney Transplantation.

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