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Re-Hospitalization in First Six Months after Live Related Renal Transplantation: Risk Factors, Burden, Causes and Outcomes**Sommiya Dashti***Bolan Medical College Quetta, Pakistan*

Re-hospitalization after renal transplant surgery is common, because of the complexity of immunosuppression regimens, rejection, infection, and other transplant-specific complications and has been shown to have a significant impact on the health care cost, morbidity, graft loss, and death.

After transplantation, within the first 30 days, surgical complications related to the procedure are predominant. After that, immunological and infective are more common. Early acute rejection (EAR) occurs in less than three months and late acute rejection (LAR) occurs after three months of transplant. Methods: We conducted a cross-sectional study and followed patients' re-admissions for six months whose LRRT was done in our center. Results: We recruited 53 patients, 40 (75.5%) were male. The mean age was 36.9 ± 11.9 years. Donor gender was similar, and their mean age was 31.6 ± 9.2 years. The mean length of hospital stay after LRRT was 14 ± 2.2 days. A total of 81.1% were readmitted after LRRT within the first six months, with a total of 113 readmissions. The median time of readmission after LRRT was 66 days. The causes of readmission were surgical in 11 (9.7%), medical in 89 (78.8%), and combined medical and surgical in 13 (11.5%). Infection was the most common medical cause, followed by rejection. Statistically significant difference between readmission and non-readmission groups was found in estimated glomerular filtration rate (eGFR) at six month 61.3 ± 25.9 vs. 84.3 ± 36.1 mL/min/1.73 m² respectively ($p = 0.02$). The median cost of readmission was PKR 40629, equivalent to USD 261.

Conclusion: Over three-fourths of the patients were readmitted after LRRT within the first six months. The most common causes were infection and rejection. Readmissions after LRRT are associated with lower graft function at six months and a significant cost burden on the health system.

Biography

Dr Sommiya Dashti, I did my graduation from Bolan Medical College Quetta, Pakistan and presently ended with specialized training in Nephrology with Renal Transplantation from The Kidney Centre postgraduate Training Institute Karachi, Pakistan. I believe that life is the most precious thing in this entire world, and that health is really the greatest wealth. I believe in true humanity and our profession is nothing but a special devotion.