



DURATION OF WORKUP FOR LIVING/SPOUSAL RELATED KIDNEY TRANSPLANT - A SINGLE CENTRE EXPERIENCE FROM 2015 TO 2020



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Introduction

Kidney transplantation is the best option of KRT as it provides good quality of life and improves survival. Living kidney transplantation has the advantage over cadaveric kidney transplantation in many aspects, one of which includes the fact that the kidney recipient will not have to wait long to be transplanted compared to cadaveric kidney recipients. Many factors influence the duration from initiation of kidney transplant workup to the actual kidney transplantation itself. The objective of this study is to analyse the duration of time needed for renal transplantation to be conducted at Hospital Kuala Lumpur (HKL).

Methods

This is a retrospective study involving 157 pairs of kidney donors and recipients who have been transplanted from 2015 to 2020. The pairs were divided into two groups – those who initiated their transplant workup at HKL (HKL group) and those who were referred from outside centres (non-HKL group). Duration from first encounter with Kidney Transplant Unit Hospital Kuala Lumpur until the time they were transplanted were recorded as waiting time.

Results

Out of 157 living/spousal related kidney transplant carried out in HKL from 2015 to 2020, 52 (33.1%) pairs initiated their transplant at HKL while 105 pairs (66.9%) were from other centres. The median waiting time for all these pairs were 475 days. The HKL group had a median of 478 days while the non-HKL group had a median of 474 days. For the HKL group, the shortest waiting time was 151 days and the longest was 1846 days. In the non-HKL group, the shortest waiting time was 31 days and the longest was 1569 days.

Workup centre	No of pairs (n)	Waiting Time (days)		
		Shortest	Median	Longest
HKL	52	151	478	1846
Non-HKL	105	31	474	1569

Table 1 : The waiting time from first encounter to kidney transplant

Conclusion

There were a lot of factors that influenced the time from starting transplant workup to the actual transplantation itself, and could be due to donor or recipient-related issues, resources of the centres working them up, as well as the transplant centre itself. These time-consuming factors need to be identified and remedied to ensure shorter waiting time that can improve outcome of kidney transplant recipients in the long run.