

Kidney transplant from a donor brain death: single-center study

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Abstract:

Introduction: In 2010, our structure had its 1st kidney transplants from donor brain death (EME) after 20 years of transplants from living donors, opening with chronic renal failure terminals new therapeutic perspectives.

Materials and methods: This is a single-center retrospective descriptive study of 9 years (September 2010-September 2019), colligeant all kidney transplant patients from a donor EME since the inception of this program. The aim of this study is to describe its epidemiological, clinical, surgical, treatment and outcome.

Results: 35 patients were transplanted from a donor in EME, after a period of dialysis on average 5.91 years and an average waiting time of 2.7 years after enrollment on the waiting list, 53% were group O blood and 90% had no anti-HLA antibodies. The average time was 16 hours (8 am-32h52) for cold ischemia and 1:20 for warm ischemia. Therapeutically, all received an induction treatment with Thymoglobulin and triple therapy combining corticosteroids and mycophenolate mofetil anticalcineurins. 42% had a delayed recovery of the graft requires an average of 5 hemodialysis. Nine cases of surgical complications have been reported including 3 lymphocele, 2 stenosis of the renal artery, and neoplastic complications including myeloma. The average creatinine at one year post-transplant was $10,8 \text{ mg} / \text{L} \pm 4.7$, and one discharge cell type was noted. Four patients died from myeloma (1), tuberculosis (2) and DIC (1). The current average renal function all patients is $11.7 \text{ mg} / \text{L} \pm 4.9$ creatinine, without return notable dialysis.



Discussion: Kidney transplantation from donor EME offers better survival in hemodialysis lengthening life expectancy of 17.19 years compared to that in hemodialysis which is 5.84 years.

Conclusion: Before an activity report as encouraging, even more so for a young project, kidney transplant from a donor EME faces demand increasingly growing to ensure its sustainability by raising public awareness the importance of organ donation, beyond its symbolic of generosity but as a saving gesture in itself.

Biography:

Sanae Ezzaki graduated from the University of Medicine and Pharmacy of Rabat, Morocco (2016). She is currently resident in nephrology hemodialysis at the ibn rochd university and hospital center in Casablanca, Morocco. Dr. Ezzaki was currently following a clinical research pathway with numerous abstracts and case presentations while practicing as a resident physician. She has participated in national and international conferences on nephrology.

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