



ANALYSIS OF PATIENTS WITH BLADDER DYSFUNCTION AND RENAL TRANSPLANTATION: A SINGLE CENTER EXPERIENCE

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INTRODUCTION

Patients with neurogenic bladder dysfunction are at high risk of suffering chronic kidney disease (CKD).¹
Even today, 26% of patients with mielomeningocele who do not undergo urological treatment develop renal damage. CKD is on of the most common causes of death in this patients.²
The urological approach in this type of patients is complex and requires a multidisciplinary experimented team.³

OBJECTIVE & METHODS

- The main objective was to evaluate the outcomes of transplanted patients with neurogenic voiding dysfunction depending the approach in the bladder treatment in a tertiary hospital
- 16 patients with neurogenic bladder were transplanted between 1990 and 2016
- We analyzed patient characteristics, urodynamic evaluation previous to renal transplant, surgical procedure, complications and allograft survival. Two groups were performed depending on urinary diversion: orthotropic (bladder preservation) or heterotopic (ileal conduit)

ILEAL CONDUIT		TABLE 1: Cause of neurogenic bladder dysfunction		LADDER PRESERVATION (2 VESICAL AMPLIATION)	
N =10				N = 6	
SUBJACENT PATHOLOGY					
Sioma Segment of bowel tissue	7	MIELOMENINGOCELE	3		
	3	MICROBLADDER POST-TUBERCULOSIS	3		
	PREVIOUS MICTIONAL SITUATION				
	9	CREDÉ	0		
	1	TOTALLY INCONTINENT/ESPHINCTEROTOMY	3		
	0	SELF-CATHETERIZATION	3		
		PREVIOUS URODINAMICS			
OBSTRUCTION + SPHINCTER DYSSINERGIA			LOV	V COMPLIANCE BLADDER	

TABLE 2: results after transplantation

ILEAL CONDUIT	RESULTS	BLADDER PRESERVATION	
8 years (2 still functioning)	MEDIAN GRAFT SURVIVAL (Y)	4 years (4 still functioning)	
	CAUSE OF LOSS		
2	SURGICAL (ACCUTE)	0	
4	INFECTION	1	
1	OBSTRUCTIVE	1	
1	CHRONIC REJECTION	0	
2	NUMBER OF RETRANSPLANTS	0	

CONCLUSIONS

•In patients unsuitable for self-catheterization or bladder augmentation, an ileal conduit can offer a valid alternative with good graft survival and acceptable percentage of complications.

•Potential transplant recipients must be classified according to pathophysiological and anatomical abnormalities of the urinary tract.

•This surgical management allows to include all this patients as potential kidney transplant recipients.

BIBLIOGRAPHY

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DISCLOSURES: NONE