**NESU** 



# **P562**

## INTRODUCTION AND OBJECTIVES

Pediatric renal transplantation differs from adults in several pharmacological such as immune response, aspects, metabolism, and surgical specificities. This work aims to review the experience of our service in pediatric renal transplantation and to compare the results with the adult population.

## MATERIALS AND METHODS

Between January 1981 and May 2017, 3008 kidney transplants were performed in our hospital, of which 101 were performed at pediatric (<18 years) recipients. In this work, we performed a retrospective evaluation of overall survival rates and allograft survival as well as risk factors for renal graft loss. Factors such as ischemia time, donor age, human leukocyte antigen (HLA) type, and PRA (Panel Reactive Antibody) and serum creatinine values were analyzed.

## CONCLUSION

Despite the differences found between the two populations, the graft survivals in both groups are favorable and statistically similar. Pediatric renal transplantation thus represents a renal replacement option with good results.

# Are the results of pediatric renal transplantation identical to the adult population?

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## RESULTS

 
 Table 1. Comparison of demographics and clinical features between pediatric and adult
 renal transplant recipients

Variable

Number of patients Age of recipients ( Gender (%) Male Female Donor (%) Living Deceased Donor age (years, Preemptive transpl Duration of dialysis Cold-ischemia time Surgery duration (h Posttransplant mal Acute rejections inc PRA value (mean± CKD cause (%) Glomerular Tubulointersti Congenital po Systemic/meta Idiopathic Graft survival at 5 Overall survival at Legend: † - p>0,05; \* p<0,05; \*\*p<0,001

### Table 2. Causes of death in pediatric renal

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Other



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	Pediatric recipients	Adult recipients	Sig
ts (%)	101 (3.4)	2851 (96.6)	
(years, mean±SD)	13±3	43±17	**
	59 (58.4)	1925 (67.5)	†
	42 (41.6)	926 (32.5)	
	12 (11.9)	101 (3.5)	**
	89 (88.1)	2750 (96.5)	
, mean±SD)	26±12	43±17	**
olant (%)	8 (7.9)	9 (0.4)	
is (months, mean±SD)	18±21	48±39	**
ie (hours, mean±SD)	17.3±7.2	18.6±6.5	†
(hours, mean±SD)	2.6±0.5	2.5±0.7	+
alignancies (incidence)	1 (1.0)	159 (5.6)	
ncidence	42.6	18.8	**
±SD)	3±9	7±16	*
	26 (25.7)	647 (22.7)	
ticial	38 (37.6)	441 (15.5)	
olycystic	4 (4.0)	241 (8.5)	**
tabolic disease	11 (10.9)	560 (19.6)	
	22 (21.8)	962 (33.7)	
yrs (%)	77.4	78.9	+
t 5 yrs (%)	96.8	88.8	**
5' * n<0.05' **n<0.001			

#### transplant recipients (%)

gnancy	1 (8.3)
tions	2 (16.7)
liovascular	4 (33.3)
nown	3 (25.0)
ers	2 (16.7)

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