

# CHALLENGES AND OUTCOMES WITH KIDNEY RE-TRANSPLANTATION

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Financial Disclosure - None

# INTRODUCTION

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Kidney transplant is treatment of choice for end-stage renal disease

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In-spite of many recent developments in field of transplantation

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Many immunological and non-immunological causes of graft failure

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Necessitates need for re-transplantation

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Brings with it an issue of sensitized and immunocompromised host

# METHODS

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Retrospective study

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Study population : Renal transplant recipients between 2012 to 2023 in a tertiary care hospital in North India

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Pre transplant risks - Medical / Surgical and immunological risks noted

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Significant peri-op events documented

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Clinical outcomes - Acute rejection , Deathensored graft survival and patient survival studied

# RESULTS

Total of 2700  
transplants  
between 2012  
and 2023

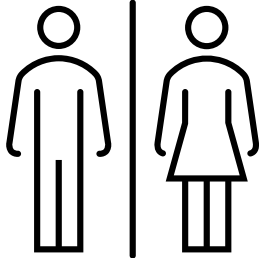
65 patients - 2nd renal transplant

3 patients - 3rd renal transplant

## RECIPIENT

Mean Age -  $40.69 \pm 10$  years

83.8% 16.2%

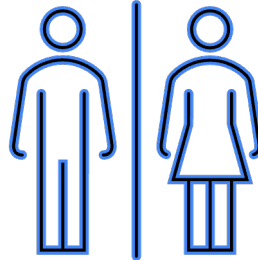


Dialysis Vintage 10.26 months

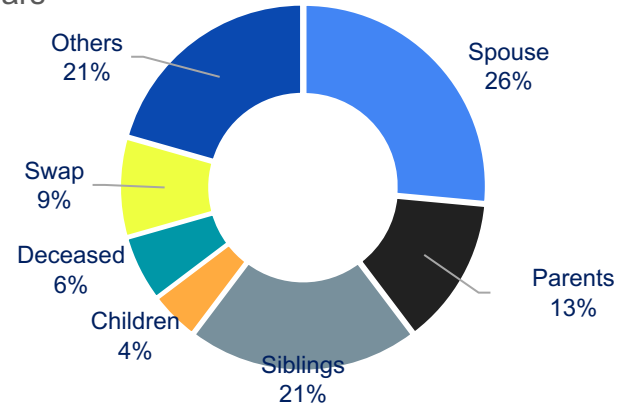
## DONOR

Mean Age -  $44.05 \pm 13.2$  years

26.1% 78.4%



## DONOR RELATION



# CHALLENGES

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**PRE-EMPTIVE TRANSPLANT** – 4 patients

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**ABO INCOMPATIBLE** –

2 patients( Maximum baseline titre 1:256)

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**FLOW CROSSMATCH POSITIVE** –

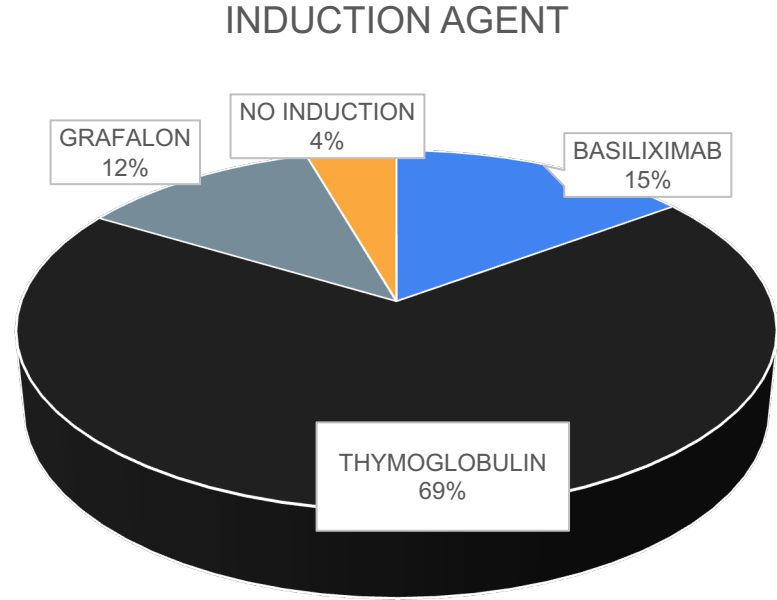
8 patients

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Significant DSAs in 5 patients

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Desensitisation done with plasmapheresis



# EARLY OUTCOMES

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Delayed graft function

1 patient ( 1.4%)

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Biopsy proven Acute rejection

12 patients (17.6%)

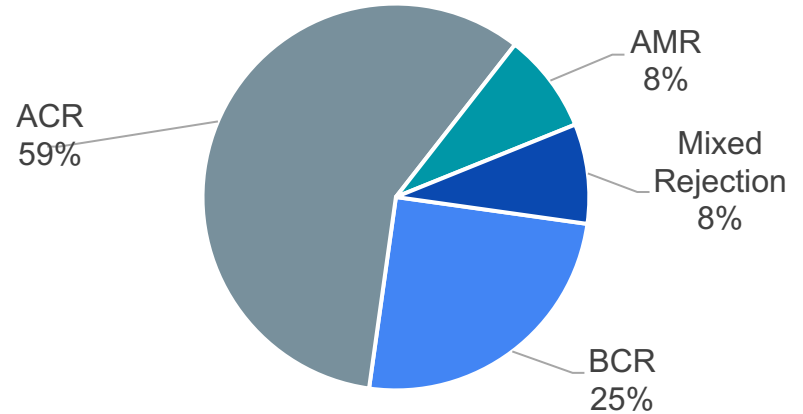
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Biopsy proven ATN/ATI

5 patients

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ACUTE REJECTION



# OTHER OUTCOMES

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INFECTIONS - 40%

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PTDM - 10.2 %

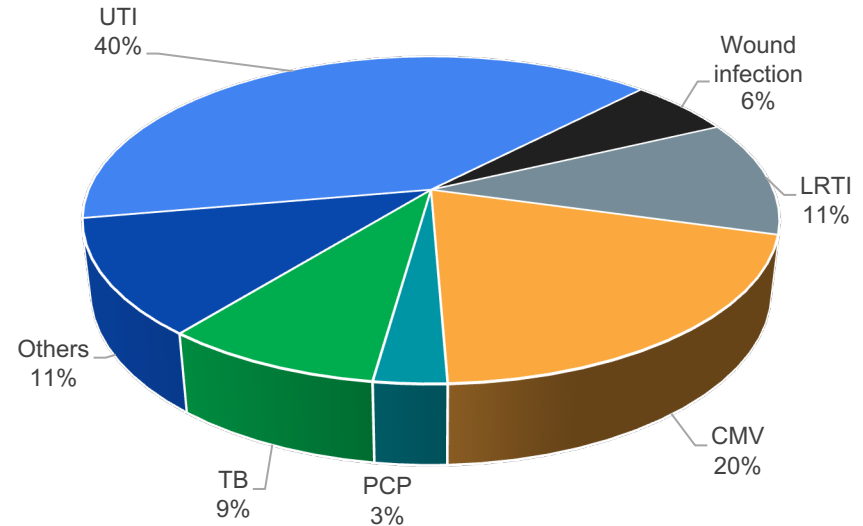
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GRAFT LOSS - 8.8%  
( 2 due to Chronic rejection )

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DEATH CENSORED GRAFT SURVIVAL  
96.6% ( at last follow-up)

## INFECTIONS



# CONCLUSION

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Outcomes of re-transplantation good in-spite of medical and surgical challenges

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Should be considered in all patients with graft failure