



# OUTCOME OF TRANSPLANT IN HIV POSITIVE CASES

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## Introduction

- With advances in treatment of HIV, renal transplantation is no longer considered a contraindication in HIV positive patients.
- We report our experience with kidney transplant in 4 HIV positive cases.

## Methods

- The study includes 4 HIV positive cases with ESRD.
- These cases had CD4 count > 200/ $\mu$ L and undetectable viral load at the time of transplant.
- Tailored immunosuppressive protocol was used.
- This consisted of no induction or anti-interleukin-2 receptor antibody for induction, and Tacrolimus, mycophenolate mofetil/azathioprine and prednisone for maintenance.
- Anti-retroviral drugs were modified to prevent any interaction with immunosuppressive drugs.

## Results

- All 4 cases have had uneventful course after transplant
- No episodes of rejection occurred.

- Except for recipient 2 who developed covid (mild) there have been no infections.

### Baseline Characteristics of the cases

Recipient (age/sex)	Donor (age/sex)	ABO <sub>c</sub> /ABO <sub>i</sub>	Date of transplant	Induction agent	Maintenance IS
Recipient 1 (33/F)	Father (53/M)	ABO <sub>i</sub>	26-07-2016	none	Tac + MMF + PSN
Recipient 2 (45/M)	Mother (65/F)	ABO <sub>c</sub>	03-12-2019	Basiliximab	Tac + MMF + PSN
Recipient 3 (24/F)	Father (47/M)	ABO <sub>c</sub>	25-06-2020	none	Tac + AZA + PSN
Recipient 4 (53/M)	Son(28/M)	ABO <sub>c</sub>	16-03-2021	none	Tac + MMF + PSN

### Current Status

PATIENT	Sr. Creatinine	Immunosuppressive regimen	ART
Recipient 1 (33/F)	1.3	WY+TAC+SIROLIMUS	lamivudine+ abacavir+ raltegravir
Recipient 2 (45/M)	1.3	WY+TAC+MMF	TAF+ emtricitabine+ dolutegravir
Recipient 3 (24/F)	0.9	WY+TAC+AZA	lamivudine+ abacavir+ dolutegravir
Recipient 4 (53/M)	0.9	WY+TAC+MMF	TAF+ emtricitabine+dolutegravir



**Conclusion :** HIV+ patients on highly active antiretroviral therapy can undergo successful renal transplantation with a low incidence of both acute rejection and infections and have a stable graft function.