

BACKGROUND

Belatacept is a fusion protein that inhibits T-cell selectively activation through stimulation blockade.

It is regularly used at our institution for kidney elevated transplant risk recipients.

The purpose of this study is to examine the reasons for Belatacept discontinuation short-term and consequences

METHODS

This was a retrospective study of all kidney transplants at a single institution from July 1, 2020 to Dec 31, 2022.

Kidneys were considered high risk if they were from high KDPI donors, dual kidney transplants, or kidneys with long cold or warm ischemic times. Recipients were considered high risk if they had pre-existing donor specific antibodies or were highly sensitized. These patients were placed on the Belatacept based regimen and all other kidney transplant patients were placed on the Standard regimen.

We evaluated patients who underwent Belatacept cessation within the first year after transplant.

demographics, Patient immunosuppressant discontinuation, and protocol, reasons for outcomes (3 months, 1 year) post transplant were all reviewed.

Belatacept Discontinuation in Stable Recipients of Elevated Risk Kidney Transplants



•	Belatacept based regimen	0
	Belatacept 5mg/kg every 28 days	K
	Tacrolimus goal 4-6 ng/ml	ir
8	Mycophenolate Mofetil 500mg BID	d re
	Prednisone taper to 5mg daily	
0	Standard regimen	
	Tacrolimus goal 8-10 ng/ml, 6-8 after	
67	3 months	
56	Mycophenolate Mofetil 1000mg BID	
	Prednisone taper to 5mg daily	

53 patients had a reason for discontinuation noted; the most common causes were broken down into 2 major categories: Infectious Causes and Logistical Causes.

A total of 18 patients (62% of the Logistical causes were discontinued from the Belatacept group) regimen due to high copayments. Nine patients (37% of the Infectious causes group) were discontinued due to EBV, followed by other viremias that were difficult to treat.

In the more marginal group of kidneys, there was no significant improvement in Scr over time, irrespective of Belatacept cessation or continuation.

Belatacept cessation was necessary in almost 34% of kidney transplants. The most common cause of discontinuation was lack of affordability f the required co-payments and viremias. (idney function does not appear to be adversely mpacted at one year after kidney transplant discontinuation of Belatacept lespite and eturning to the standard regimen.

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DESIGNATED

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RESULTS

CONCLUSIONS

REFERENCES