# LONG-TERM EFFICACY AND SAFETY OF EVEROLIMUS BASED IMMUNOSUPPRESSION ON DE NOVO KIDNEY TRANSPLANTATION WITH 7 YEARS FOLLOW-UP

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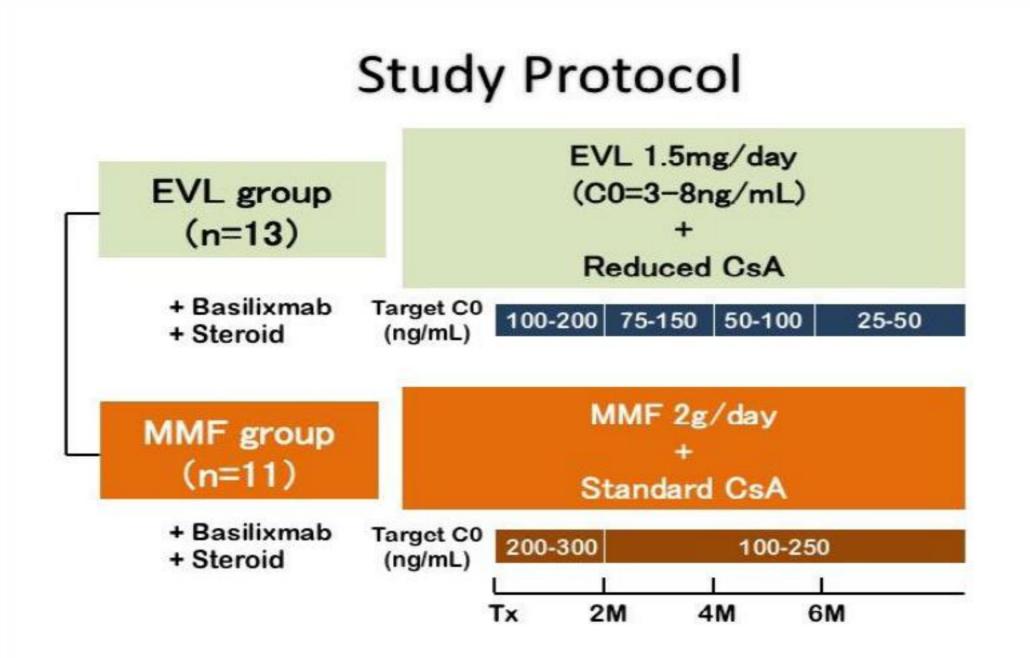
# OBJECTIVES

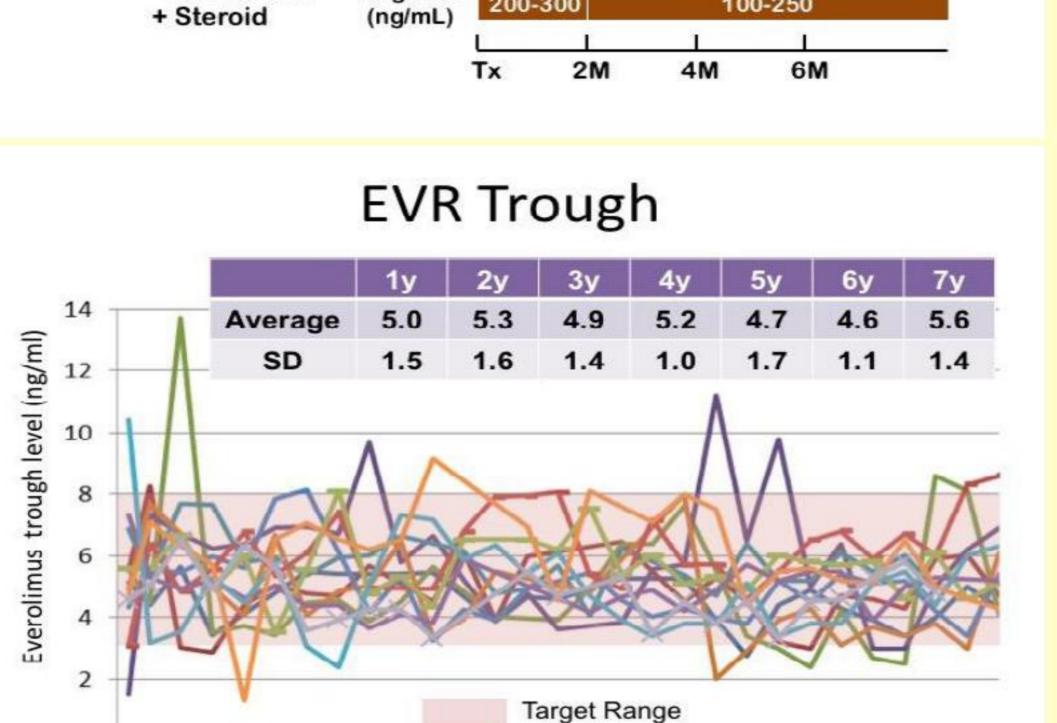
Long-term efficacy and safety of everolimus (EVR) based immunosuppression for de novo kidney transplant recipient who were involved in A1202 study from our institute was evaluated in clinical outcomes as well as protocol biopsies findings and donor specific antibody (DSA) production.

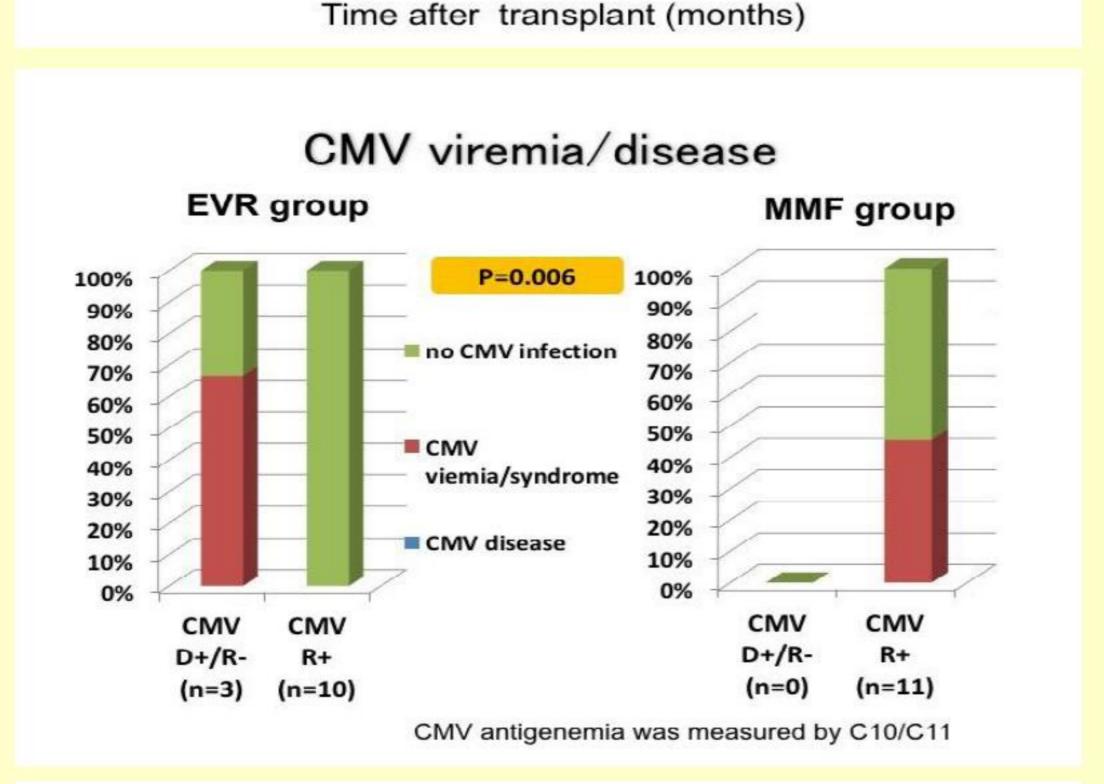
## METHODS

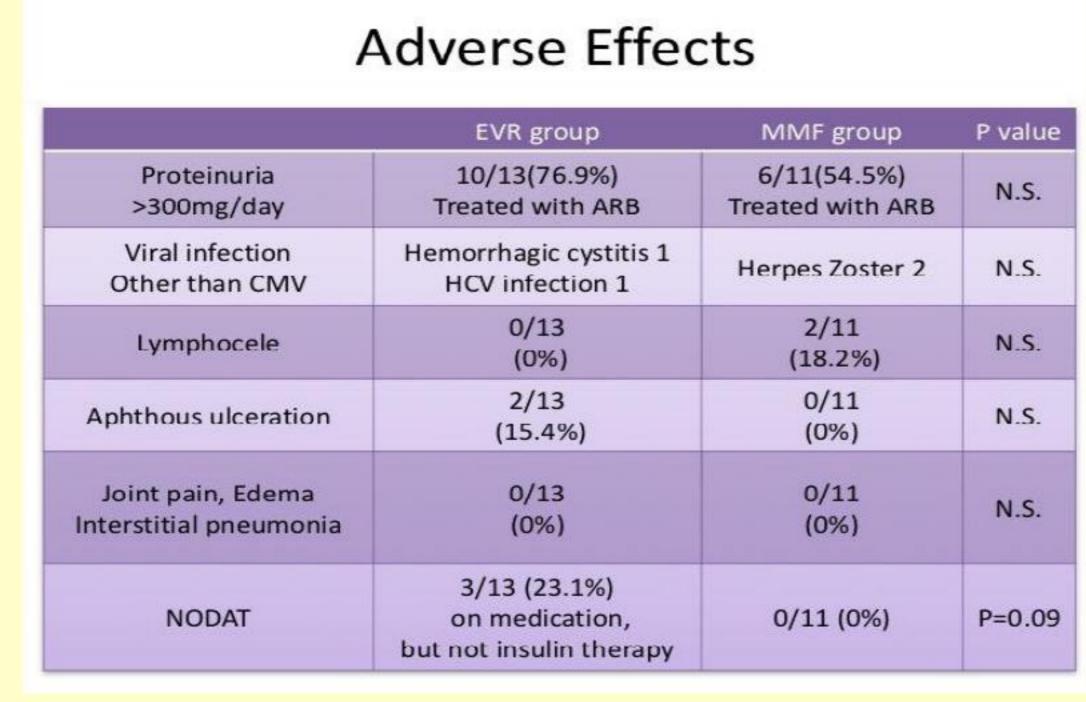
During March 2008 and August 2009, twenty-four recipients prospectively randomized into two groups to compare clinical outcome of kidney transplantation between EVR based and mycophenolate mofetile (MMF) based immunosuppression. EVR group received reduced-exposure cyclosporine (CsA; target C0 25-50ng/ml after 6 months) + steroid, and EVR-C0 were adjusted 3-12ng/ml. MMF group received standard-exposure cyclosporine (CsA; target C0 100-250ng/ml after 6 months) + steroid. Both group received basiliximab induction. Follow-up data until March 2016 are desribed.

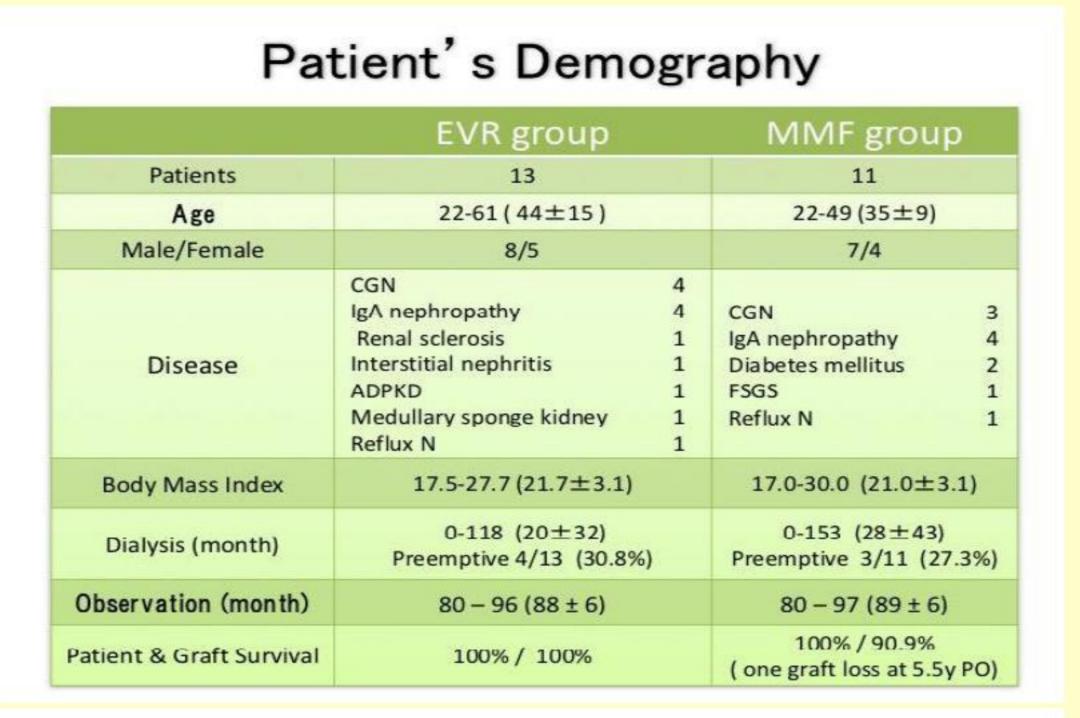
### RESULTS

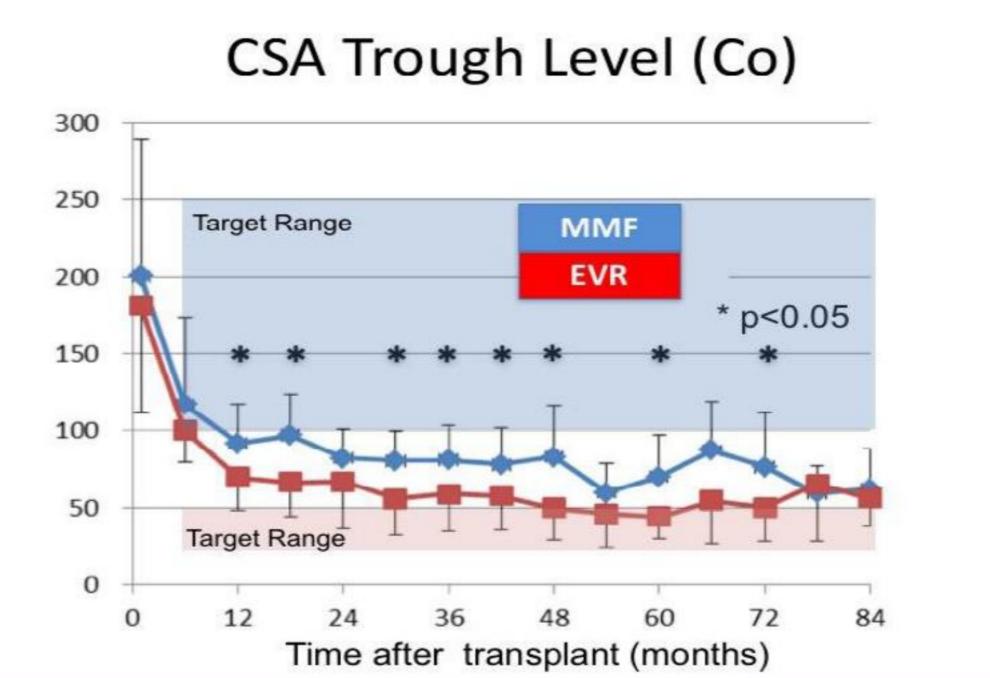


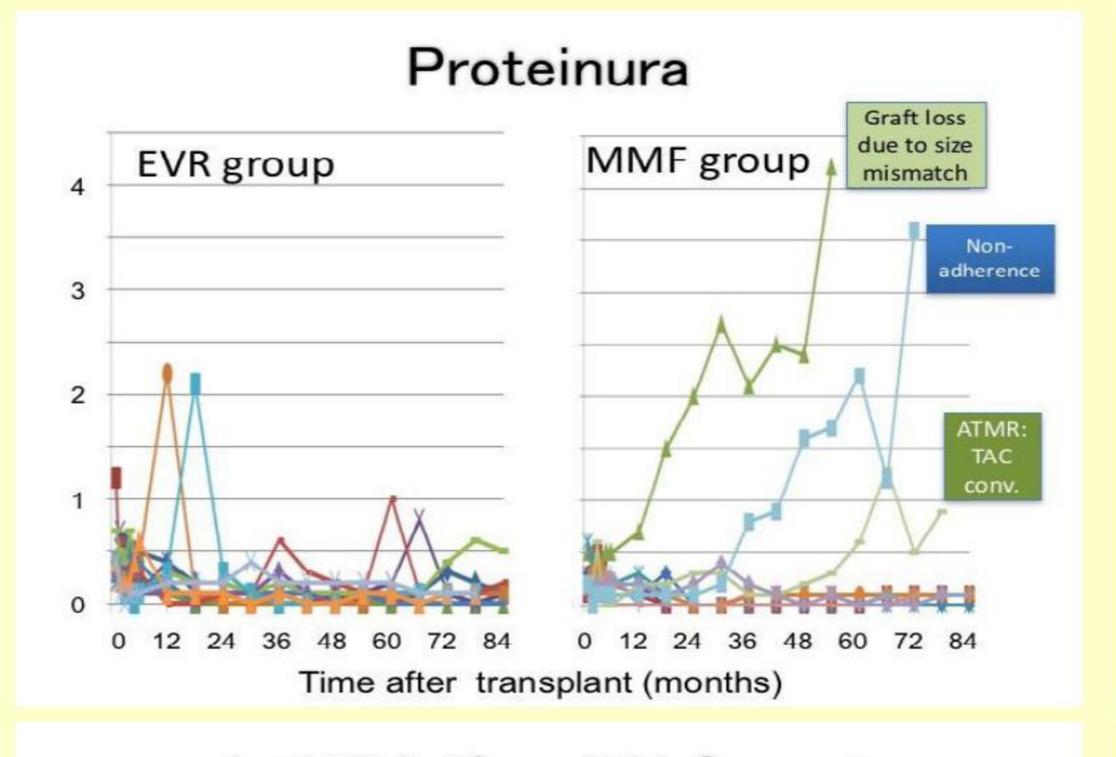


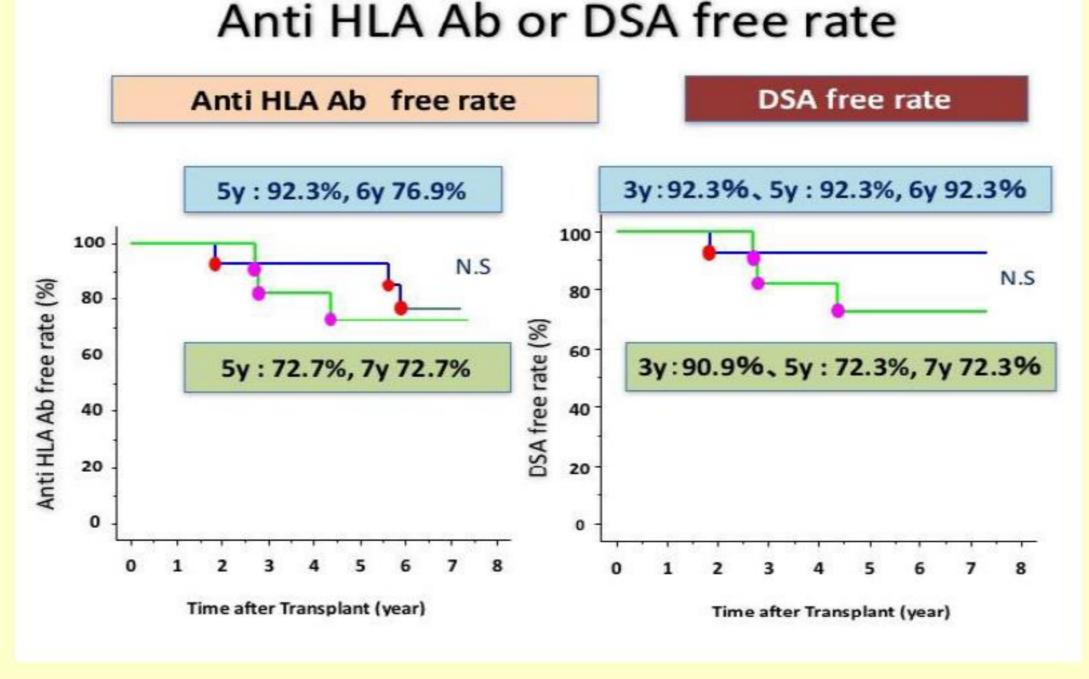




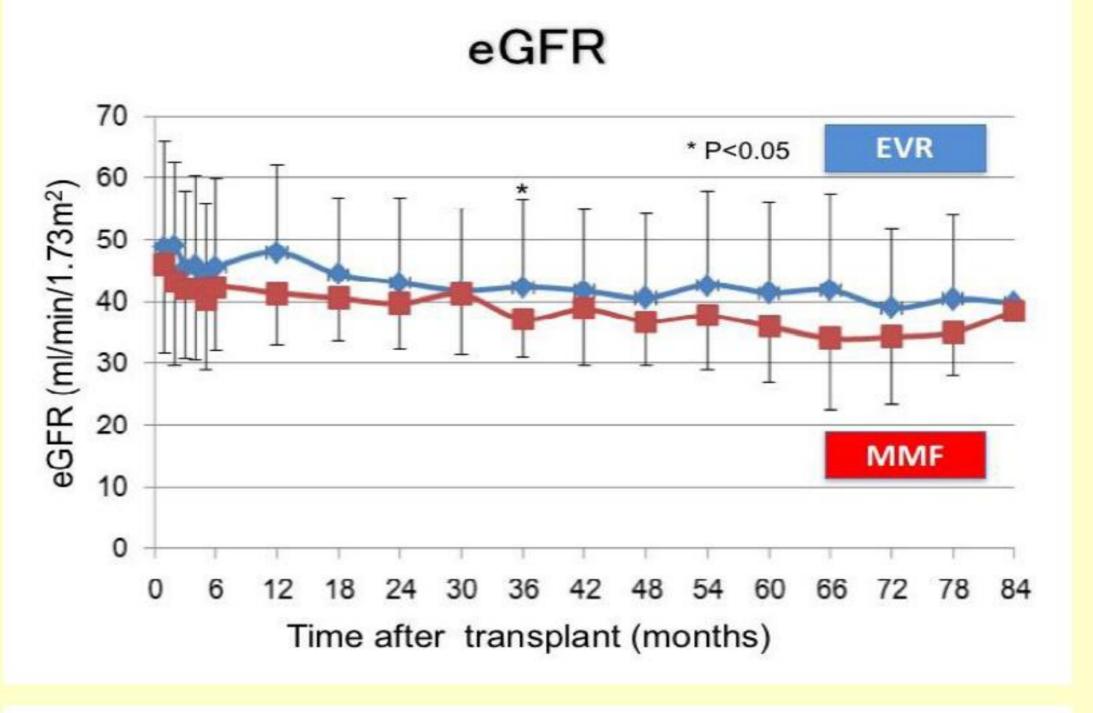


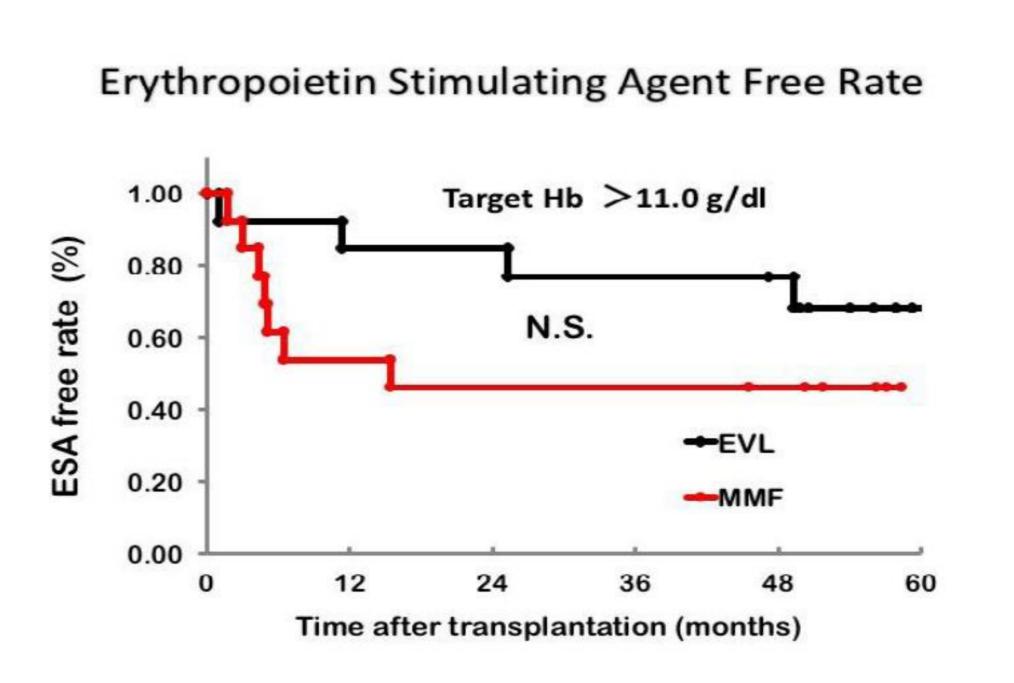


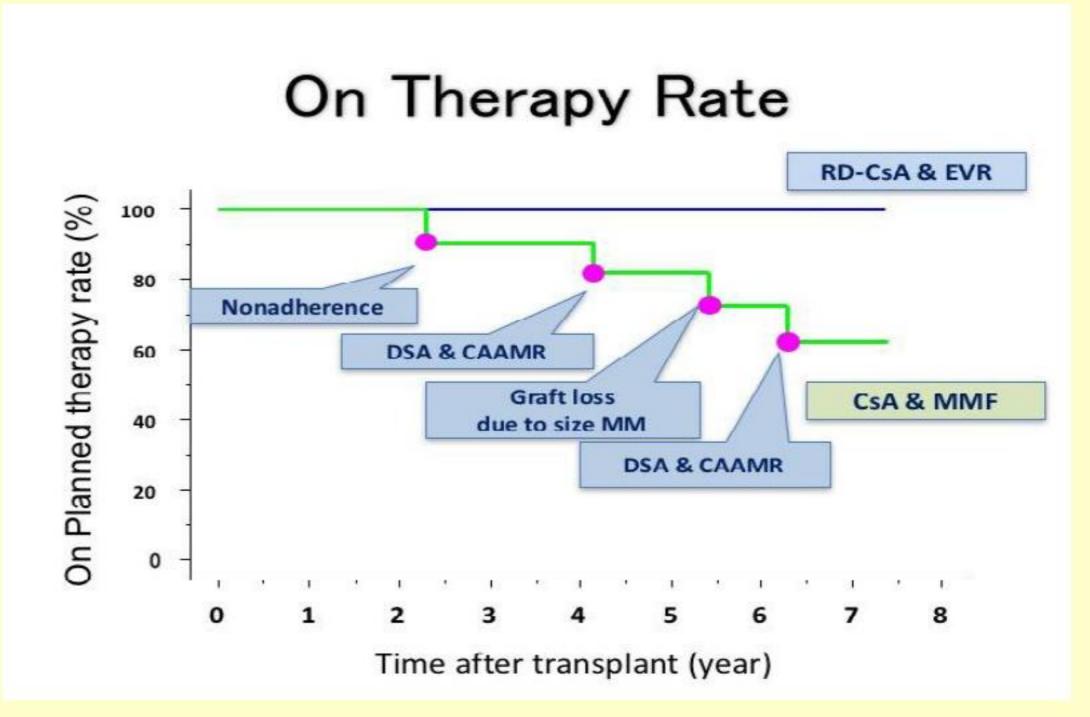




	EVR group		MMF group	
Sex (M/F)	7/6		4/7	
Age	34-63 (52±8)		43-62 (55±6)	
Relationship	Spouse Sibling Parents	5 6 2	Spouse Parents Sibling	2 2 1
HLA mismatch Class I	1.9±0.7 (1 – 3)		1.6±0.7 (0-2)	
HLA mismatch Class II	1.2±0.6 (0 – 2)		0.8±0.6 (0 – 2)	
CMV serology	D+/R+ 9 D-/R+ 1 D+/R- 3	(69.2%) (7.7%) (23.1%)		(92.3% (7.7% (0%







### CONCLUSIONS

EVR based immunosuppression provides equivalent clinical outcomes as well as the incidence of De Novo DSA production with MMF based immunosuppression with 7 years follow-up.

CNI can be safely minimized with good graft function as well as a favorable outcome for incidence of CMV. Proteinuria, even nephrotic, could be treated with ARB without graft dysfunction.



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Renal transplantation. Clinical.
Shunji Narumi





