

# Clinical outcome of calcineurin inhibitors-free maintenance immunosuppressant regime in kidney transplantation – A single center experience

Kar Wah Fuah<sup>1</sup>, Suryati Yakob<sup>1</sup>, Hin Seng Wong<sup>1,2</sup>

<sup>1</sup> Department of Nephrology, Hospital Selayang, Malaysia

<sup>2</sup> Clinical Research Center, Hospital Selayang

## INTRODUCTION

Kidney transplantation is the best kidney replacement therapy for end stage kidney disease patients although there is a significant rate of graft loss at 3-5% annually. Introduction of calcineurin inhibitor (CNI) with mycophenolate mofetil has become the standard of care to achieve excellent graft survival, however, CNI toxicity and chronic allograft failure remains considerable concern for long term graft loss.

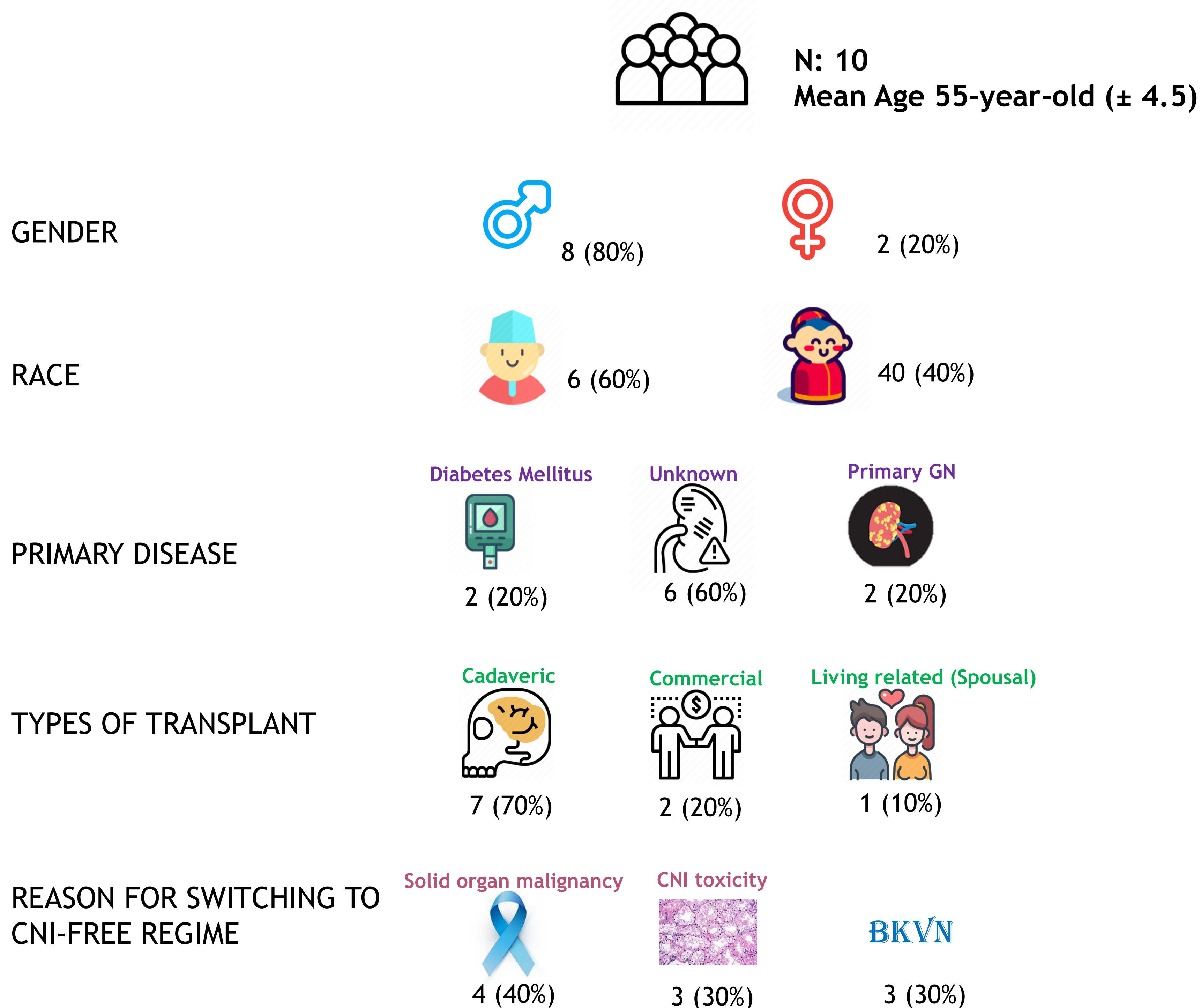
Hence, we wish to assess the clinical outcome of CNI-free regime in kidney transplantation in our centre.

Keyword: Kidney transplant, CNI-free regime

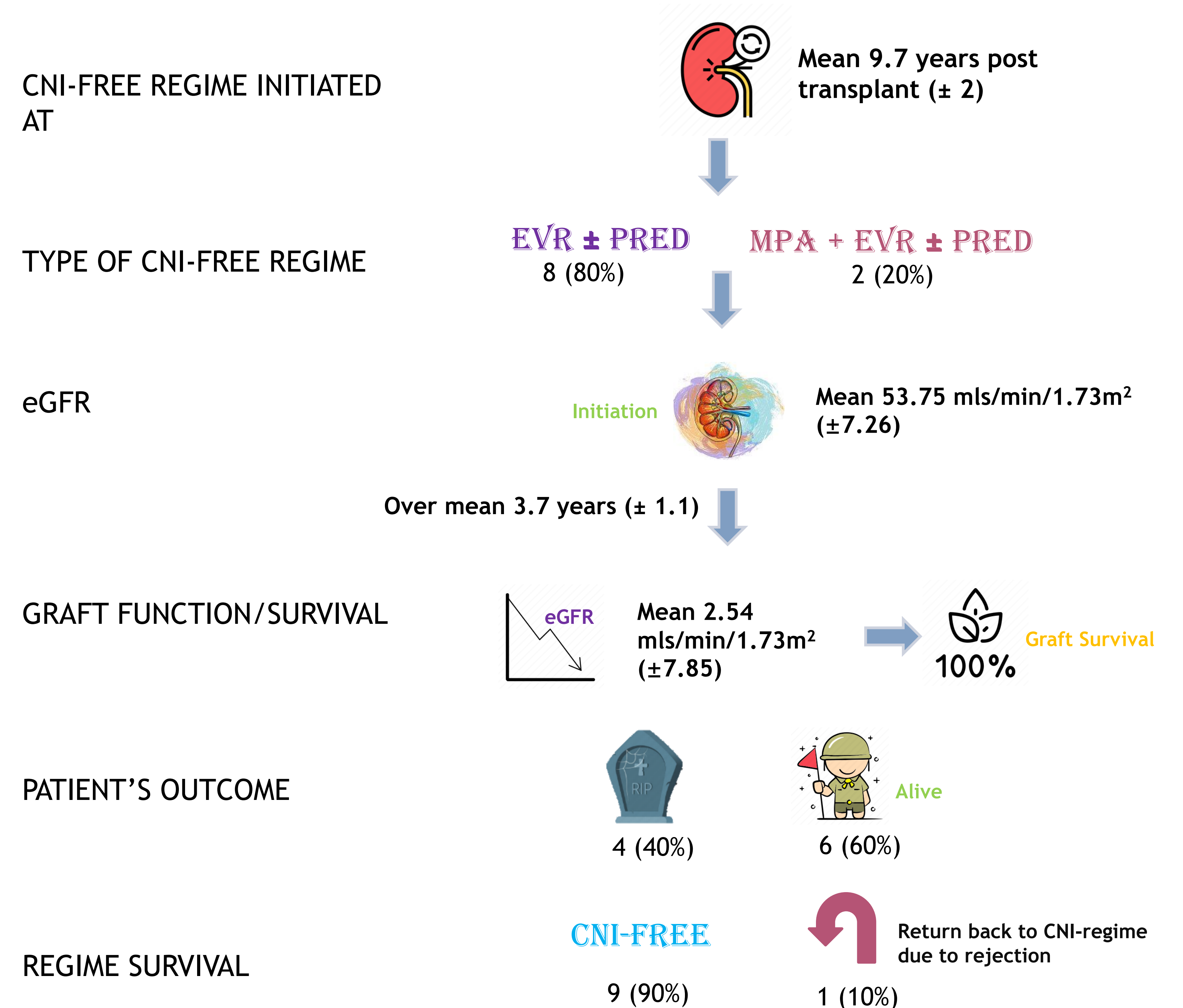
## METHODOLOGY

A retrospective cohort study involved all kidney transplant patients who were followed up in our centre from Jan 2012- Dec 2021 who were on CNI-free regime. Their demographic data, indication of switching to CNI-free regime, graft function and clinical outcomes were collected and analysed. The descriptive analysis was done by using SPSS version 25.

## RESULT 1



## RESULT 2



## CONCLUSION

This cohort study showed that CNI-free maintenance immunosuppressant regime to be a safe regime with low risk of rejection.