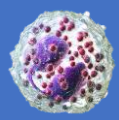




Pieter Schellekens MD, Isabelle Meyts MD PhD, Rudi Vennekens PhD, Dirk Kuypers MD PhD, Djalila Mekahli\* MD PhD, Bert Bammens\* MD PhD

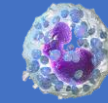
PKD Research Group, Nephrology & Renal Transplantation Research Group



## INTRODUCTION & BACKGROUND

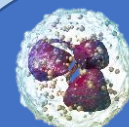
- ADPKD has been reported to be associated with **distinct cytopenias**.
- **Polycystin expression** in lymphocytes & **impact on lymphocyte function**.

➔ **CYTOPENIA** could be hypothesized to be directly induced by the molecular polycystin-defects and to impact on outcome in affected patients.



## AIM

- To confirm the association between **ADPKD & CYTOPENIA**
- The impact of **ADPKD** and **CYTOPENIA** on transplant **outcomes**



## METHODS & POPULATION

Retrospective study

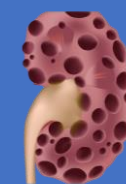
n=4103

Non-ADPKD



(n=3492)

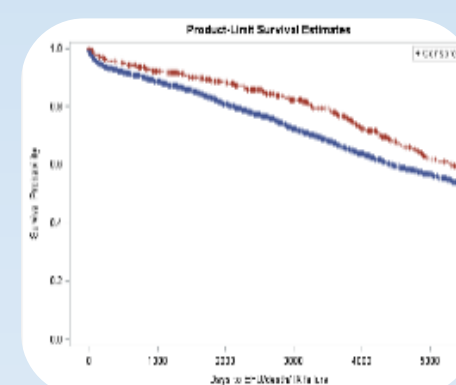
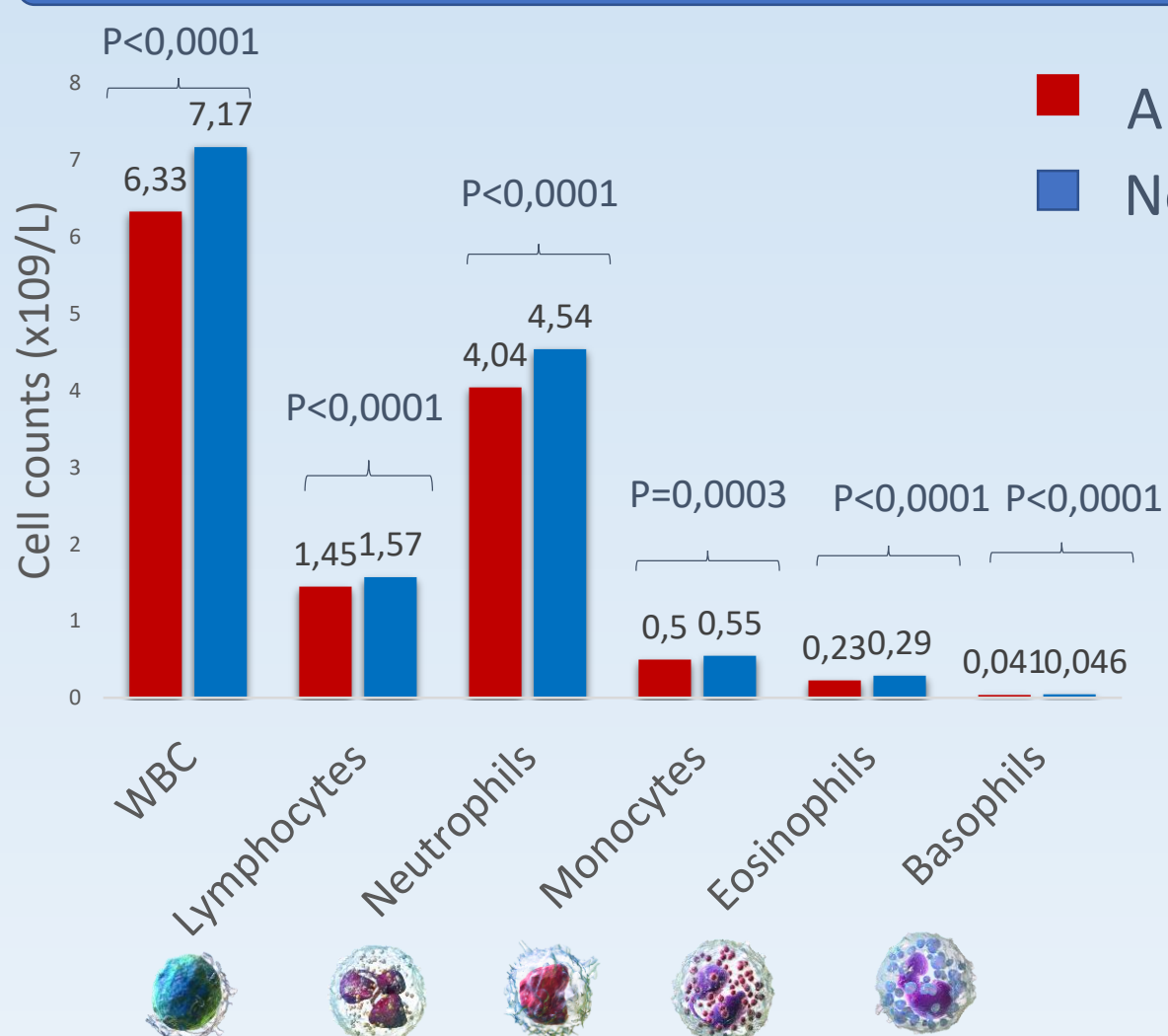
ADPKD



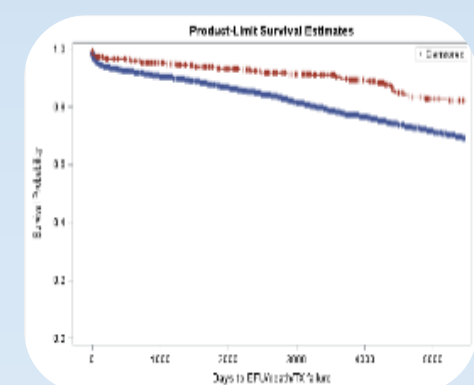
(n=611)



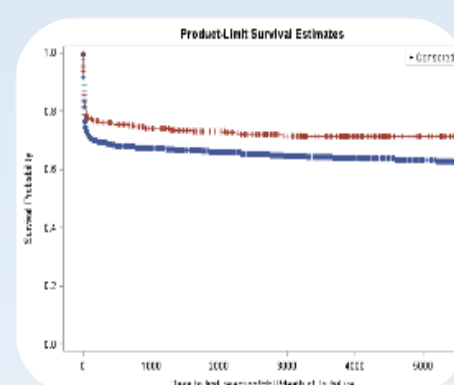
## RESULTS



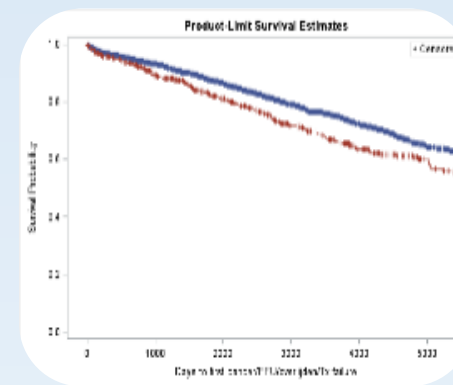
Overall survival



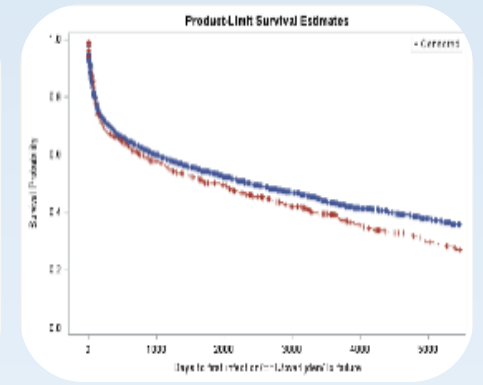
Tx failure



Infection



Malignancy



Rejection



## CONCLUSION

- Association of **CYTOPENIA & ADPKD** immediately before kidney transplantation.
- **ADPKD** is also associated with differences in **posttransplant outcomes**.

**CYTOPENIA AS YET UNRECOGNIZED EXTRARENAL MANIFESTATION OF ADPKD WITH PROGNOSTIC IMPLICATIONS?**