

DOES KIDNEY TRANSPLANTATION IMPROVE SURVIVAL IN THE CURRENT ERA IN EUROPE? ANALYSIS OF SEVERAL EUROPEAN REGISTRIES

PROJECT DESCRIPTION

Older studies have shown a survival benefit with kidney transplantation compared to dialysis, even for patients older than 60 years. However, due to important evolutions such as older recipient age and the use of less-than-optimal quality donors, as well as improved survival on dialysis, it is unclear if the survival benefit with transplantation still holds true nowadays. Recently, we performed a pilot study in a Belgian cohort of patients waitlisted for a first deceased donor kidney transplant between 2000 and 2012. We analyzed survival of those who were transplanted, either with a standard criteria donor (SCD) kidney or expanded criteria donor (ECD) kidney, and compared this to the survival of those who remained on dialysis. Our analysis suggests that recipients ≥ 65 years have a survival benefit when transplanted with an SCD, but that their survival benefit with an ECD may be small or non-existent. However, the relatively low number of patients leads to estimates with considerable uncertainty. These preliminary findings should be re-evaluated and studied in more depth in a larger European cohort.

Therefore, in the current research project, we aim to expand the analysis to include data from other European countries. A large international European database would not only lead to more precise estimates of survival with transplantation versus dialysis, but it could also enable a better assessment of the prognostic value of individual donor and recipients characteristics on outcomes.

This fellowship could lead to a long-term collaboration with the ERA-EDTA registry, the Descartes working group members, and the responsible persons of several European renal registries.

DETAILS OF THE FELLOWSHIP

1. **Duration of the fellowship:** 12 months
2. **Location of the hosting centre:**

ERA-EDTA Registry
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Amsterdam University Medical Centers
AMC Meibergdreef 15 Room J1B-125
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Phone: +31 20 5667637

Contact person for administrative issues: Dr. Vianda Stel v.s.stel@amsterdamumc.nl

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Wilrijkstraat 10B-

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Phone: +32 3 8213435

Contact person for administrative issues: Dr. Rachel Hellemans

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3. Principal Investigator of the project:

Dr. Vianda Stel and Dr. Rachel Hellemans

Supervisors: Dr. Vianda Stel, Dr. Rachel Hellemans, Dr. Anneke Kramer, Prof. Daniel Abramowicz and Prof. Kitty Jager.

4. Start of the fellowship: January 2021

5. Qualifications and/or expertise required: The fellow must have a special interest and basic knowledge of epidemiology and statistics. He/she should have substantial experience in data analysis. (Data analysis will be performed with the SAS program. Basic knowledge of programming in SAS is a plus but not a must)

GRANTED AMOUNT

EUR 40,000