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Impact of pre-operative haemodialysis on transplanted kidney function

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No conflict of interest

Introduction

- Little is known about the effects of haemodialysis (HD) on kidney transplantation.
- We wanted to see if HD immediately before transplantation has an effect on the short-term graft outcomes.

Material

- Single centre retrospective analysis of deceased donor kidney transplants between 2019 to 2023.
- Only patients with in-centre HD were included.
- Data was collected on the last pre-operative HD sessions, donor and recipient factors.
- The outcomes measures (DGF, serum creatinine up to 3 months and complications) were stratified according to the time lapse between HD session to the initiation of surgery.

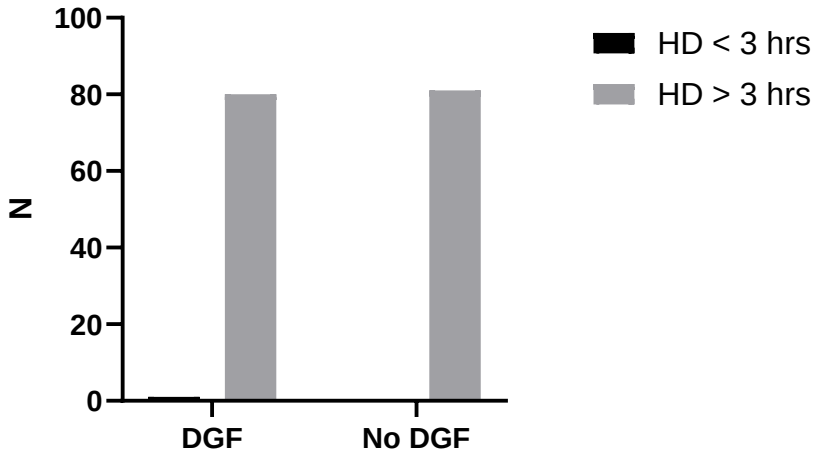
Results

N	230 (male 137)
Age, mean (SD), years	54.89±11.40
Duration of HD, mean (SD), mins	204±43.29
Volume removed, mean (SD), lt	1932±0.9820
Delayed graft function (DGF), N	106
Time from HD to initiation of transplantation, mean (SD), mins	1589±1013

Results

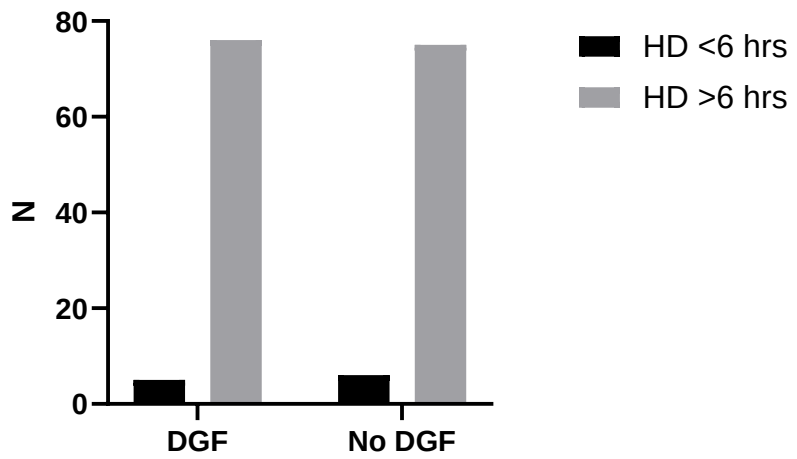
Effect of pre-transplantation HD time cut off on DGF

p 0.3158



Effect of pre-transplantation HD time cut off on DGF

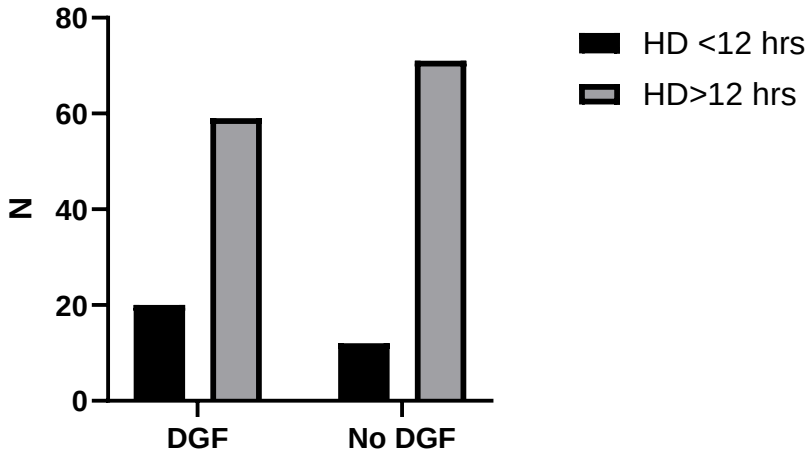
p 0.7548



Results

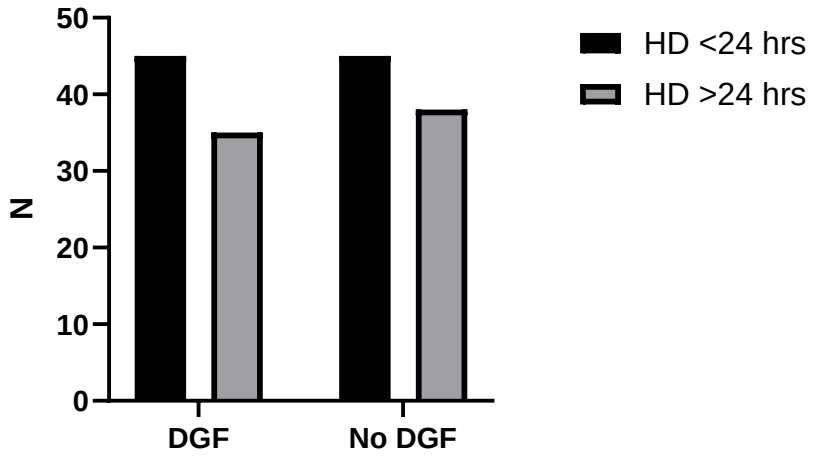
Effect of pre-transplantation HD time cut off on DGF

p 0.0827



Effect of pre-transplantation HD time cut off on DGF

p 0.7941



Conclusion

- We couldn’t elicit any direct relationship with the short-term post-transplant outcomes.
- Pre-transplant HD appears safe even when instituted soon before the surgery.