



Three-year patient and kidney graft outcomes using Expanded Criteria Donors (ECDs) or high UKKDRI criteria at a Large UK Transplant Centre

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Background:	Methods:
 ECDs are those aged ≥60 or aged 50-59 with 2 of: hypertension,	 All adult deceased donor (DD) kidney transplants performed
death from cerebrovascular cause or terminal serum creatinine	at Guy's Hospital, between the years 2012-2013, were
>133 <u>µmol/L</u> .	included.
 Another method of categorizing donors is using the UK Kidney	 Donor information was compiled from NHS Blood and
Donor Risk Index (UKKDRI) [standard risk <1.35 and high risk	Transplant Data. Recipient information was collected retrospectively using
≥1.35].	electronic patient records.
 The aim of this study was to assess the outcomes of deceased	 Outcomes evaluated included: patient survival and graft
donor kidney recipients using the ECD classification of donor	survival at 3 years. Comparison of outcomes when using ECD
kidneys as well as the more novel UKKDRI criteria.	and UKKDRI criteria. Data was statistically analysed using IBM SPSS Statistics, v23.

Results:

- 257 DD transplants were carried out in the years 2012 and 2013. 131 (51%) were SCD kidneys and 126 (49%) were ECD.
- There was no difference between graft (p=0.321) and patient survival (p=0.371) between SCD and ECD recipients at 3 years.
- There was no significant difference between DGF in recipients who received SCD and ECD kidneys. ٠
- Kaplan Meier analysis showed no difference between UKKDRI high risk and standard risk kidneys in terms of patient (log rank p=0.483) • and graft survival (log rank p=0.776).
- Finally, there was also no significant difference between the occurrence of DGF in UKKDRI standard and high-risk kidneys (p=0.455).

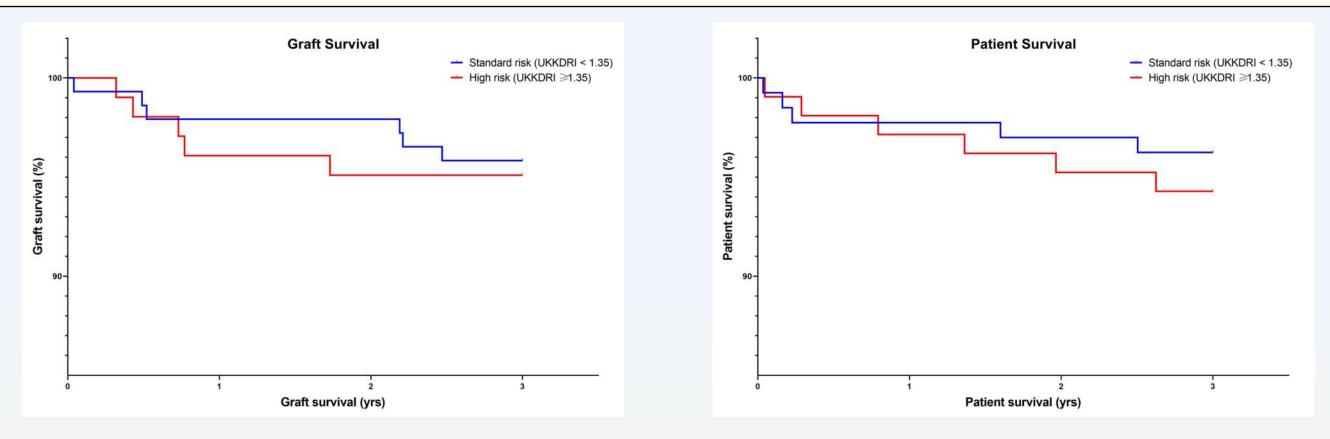


Figure 1: Kaplan Meier analysis curves highlighting the differences in a) graft survival b) patient survival between standard and high risk kidneys under the UKKDRI classification.

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- Interestingly, there was no significant difference between patient and graft survival 3 years post transplantation in standard and highrisk kidney recipients using UKKDRI.
- This can aid consenting of patients receiving ECD/UKKDRI high risk kidneys.

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