

## IMPLANTATION OF BOTH KIDNEYS FROM YOUNGER DONORS AFTER OFFERING THROUGH THE KIDNEY FAST-TRACK SCHEME (KFTS)

### *Background*

The KFTS is a scheme by which organs at high risk of discard are offered simultaneously to those centres who wish to consider implanting higher risk kidneys. On occasion, both kidneys from younger donors are offered through the scheme. At present, when two organs from one donor are offered through the KFTS, the centre with the highest ranking patient using the 2006 National Kidney Allocation Scheme algorithm receives both kidneys.

Colleagues in Oxford have suggested that KAG should consider altering the KFTS, so that if more than one centre wishes to accept such kidneys, one kidney each goes to the two centres with the highest ranked patients. This may help facilitate shorter cold ischaemic times.

A similar issue has been raised previously in KAG, where it was agreed that organs from older donors should not be offered through the KFTS as singles, in order to facilitate dual adult kidney transplantation. This is less of a concern with kidneys from younger donors.

Data have been analysed. The views of KAG on this issue are sought.

### *Analysis*

Data on kidneys transplanted between 2012 to 19/02/2018 from deceased donors (DBD and DCD) after offering through the KFTS were analysed (Table 1).

**Table 1 – Deceased donor kidneys transplanted through the KFTS, by donor age (<55 years) and number of kidneys transplanted, 2012-2018\***

Year of offer	Number of donors where at least 1 kidney transplanted through fast track scheme	Number of donors <55 where at least 1 kidney transplanted through fast track scheme	Number of donors <55 where both kidneys transplanted through fast track scheme	Number of donors <55 where both kidneys transplanted in the same centre through the fast track scheme (% total)
2012	9	3	0	0
2013	55	25	11	9 (16.3)
2014	81	30	16	13 (16.0)
2015	94	37	14	12 (12.8)

2016	102	38	15	14 (13.7)
2017	133	57	25	23 (17.3)
2018*	22	12	5	5
TOTAL*	496	203	87	77 (15.5)

\*to 19/02/2018

Of the 77 donors under the age of 55 where both kidneys were transplanted through the fast track scheme at the same centre, 4 were implanted as dual (1 en bloc and 3 duals). Of the 72 donors under the age of 55 where both kidneys implanted singly at the same centre through the fast track scheme the average CIT for the first kidney is 13.1 hours (IQR 10.0 – 14.7) and the average CIT for the second kidney is 18.2 hours (IQR 15.8 – 20.9).

### *Summary*

Overall, a relatively small proportion of kidneys implanted through the KFTS come from donors aged less than 55 years where both kidneys are implanted (15.5%). Very few kidneys from these donors are implanted as dual adult kidney transplants (3/76, 3.9%). CITs for the second kidney are broadly acceptable for DBD donor kidneys, but are less than ideal for DCD donor kidneys.

KAG are asked to review this issue and determine whether a change to the KFTS should occur. Any proposed change must recognise that kidneys from donors aged less than 5 years should continue to be offered to a single centre to enable en bloc implantation.

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