

NHS BLOOD AND TRANSPLANT

KIDNEY ADVISORY GROUP

REVIEW OF ALLOCATION SCHEME FOR INFANT DONORS

BACKGROUND

- 1 Following recommendations, a proposal was accepted at the Kidney Advisory Group in June 2017 such that Leeds and Guy's will be the national centres for implanting kidneys from small paediatric donors. This proposal was implemented in November 2017.
- 2 The protocol states that any kidneys from donors under the age of 2 should be offered en-bloc to either Guy's or Leeds. Kidneys from donors in the North of the UK will first be offered to Leeds and then offered to Guy's and kidneys from donors in the south of the UK will first be offered to Guy's and then offered to Leeds. The kidneys can be used in a patient of the centre's choice.
- 3 This paper summarises all instances of kidneys being offered from donors under the age of 2 between 1 November 2019 and 30 April 2020, and also donors between the ages of 2 and 5 years.

ACTIVITY

- 4 A summary of the number of donors under the age of 2 where en-bloc kidneys were offered since November 2017 is shown in **Table 1** in six month periods and the corresponding number of protocol deviations. In total, there have been 23 donors with 3 protocol deviations. In the most recent period, there were no deviations.
- 5 **Table 2** summarises the details of the 6 en-bloc kidneys that were offered from donors under the age of 2 years for donors between 1 November 2019 and 30 April 2020. Of the 6 en-bloc kidneys offered, 1 (17%) was accepted and transplanted. There is no follow-up reported currently for this transplant.
- 6 **Table 3** summarises the details of the en-bloc kidneys that were offered from the four donors between the ages of 2 and 5 years in this time period.

DISCUSSION

- 7 Information is presented annually for members' information and any action as appropriate.

Chloe Brown
Statistics and Clinical Studies

June 2020

Table 1 Number of donors under the age of 2 where en-bloc kidneys were offered and protocol deviations, 1 November 2017 – 30 April 2020

Period	Donors	Protocol deviations
Nov17-Apr18	5	0 (0%)
May18-Oct18	6	2 (33%)
Nov18-Apr19	3	1 (33%)
May19-Oct19	3	0 (0%)
Nov19-Apr20	6	0 (0%)

Donor Type	Offered according to policy	Notes	Transplanted	Transplant centre	Outcome
DBD	Yes	Guy's and Leeds offered and declined on past medical history. Cardiff, Guy's, Oxford and Edinburgh offered SPK and declined on size, cause of death, past medical history and age respectively. Fast tracked but not accepted.	No		
DCD	Yes	Leeds offered and declined as the donor was <28 days old. Guy's offered and declined on age – donor too young. Fast tracked but not accepted.	No		
DCD	Yes	Guy's and Leeds offered, and both declined on function. Fast tracked and initially not accepted. Cambridge reconsidered and accepted the kidneys but later declined due to declining function.	No		
DCD	Yes	Guy's offered and accepted kidneys. Kidneys were retrieved but later declined due to anatomical reasons. Fast tracked but not accepted.	No		
DCD	Yes	Leeds offered and declined on age. Guy's offered and declined on past medical history and infection. Fast tracked but not accepted.	No		
DBD	Yes	Leeds offered and accepted.	Yes	Leeds	No follow-up

Donor Type	Notes	Transplanted	Transplant centre	Outcome
DBD	Cambridge offered and initially accepted before later declining on no suitable recipients. Sheffield and Birmingham both offered and declined as they do not perform en-blocs. Glasgow offered and accepted.	Yes	Glasgow	Functioning
DCD	Royal Free offered and declined on size. Nottingham offered and declined on no suitable recipients. Cambridge offered and declined on no suitable recipients and tumour. Fast tracked and Leeds initially accepted but later declined on past medical history and tumour. Manchester accepted fast track offer.	Yes	Manchester	No follow-up
DBD	Oxford offered and declined on age, function and past medical history. Royal Free and Newcastle offered and declined on past medical history. St George's provisionally accepted but later declined on past medical history and function. Birmingham offered and declined on age. Fast tracked but not accepted.	No		
DBD	Liverpool offered and declined on past medical history. Guy's offered and declined due to Covid-19 risk. Royal London offered and declined on logistics and no capacity. Bristol offered and declined as they do not perform en-blocs. Birmingham offered and declined on the risk of cancer transmission. Manchester offered and declined on past medical history. Leicester offered and declined due to Covid-19 risk and size. Fast tracked but not accepted.	No		