

UK Living Kidney Donation Network Meeting
Wednesday 10th May 2023

Clinical Session: Donor Assessment
- the grey areas

- Donor BMI
- Donor GFR/Split function (pre/post cr.)
- Donor Hypertension/end organ damage

Case 1 – Expert commentators: Frank Dor, Adam Barlow

Potential recipient

- 42-year-old male
- Ethnicity – Indian
- Working as a doctor
- Confident diagnosis of IgA nephropathy. Late presentation of CKD. Started peritoneal dialysis few months ago. On deceased donor transplant waiting list.

Potential donor

- 42-year-old wife. Ethnicity – Indian. Works as doctor. 2 children aged 11 and 9. Blood group compatible.
- 1,1,2 HLA A,B,DR mismatch, virtual lymphocyte crossmatch negative.
- Weight 85.2kg, height 1.52m. BMI 36.4 kg/m². Normotensive, urinalysis negative, eGFR 108mL/min (CKD EPI formula). Isotope GFR 81mL/min corrected for body surface area, 91mL/min uncorrected.
- MRA – “There is a single renal artery on each side and these are normally patent with no evidence of any stenotic disease. On the right there is an early branch to the upper pole arising just 9 mm from aortic ostium, there is no early branching of the left renal artery with most proximal branch 2.0 cm from aortic ostium. No accessory renal artery. Normal single pre-aortic left renal vein, single right renal vein.”

Question:

- ***Are any other investigations relevant to weight/BMI?***
- ***Can donation proceed in relation to BMI?***