

Right Organ-Wrong Person

John Casey (night manager)

BTS 2018

Matching donor and recipient



Matching donor and recipient

- Increasing challenge
- Increasing complexity of donor and recipient
- Age
- Co-morbidity
- DCD/extended criteria DBD

Challenges

- Increasing number of organ offers
- Worry about risk of complications
 - Sub optimal organ function
 - Transmission of disease
 - Lack of data on outcomes
 - Statistical benefit vs benefit to specific patient

Better with a transplant than without

Donor

- 79 year old female
- 70kg
- DBD
- Normal LFT's
- Co morbidity
- No down time
- Liver weighs 1Kg

Recipient

- 55year old male
- NAFLD
- 112kg- BMI 40
- Partial PV thrombosis
- Na 118
- UKELD 71
- HDU
- haemofiltration
- Noradrenaline
- Recent antibiotics for chest infection

Issues

- High risk patient
- Extended criteria donor/size mismatch
- Evidence suggests that poor liver into poor recipient give poor outcome
- Patient will die soon without transplant
- Transplant may be futile- impact on other potential recipients

Decision process

- Discussion with colleagues
- Discussion with patient
- Decision to go ahead
- At laparotomy- previous SBP and significant portal hypertension- likely blood loss >20L
- Discuss with colleagues
- Proceed with transplant

Outcome

- Technically difficult transplant- 3 anaesthetists
- 25L blood loss
- Packed- ITU
- Removal of packs D2
- Good liver function
- Steady recovery