

Perioperative fluid management and associated complications in children receiving kidney transplants in UK

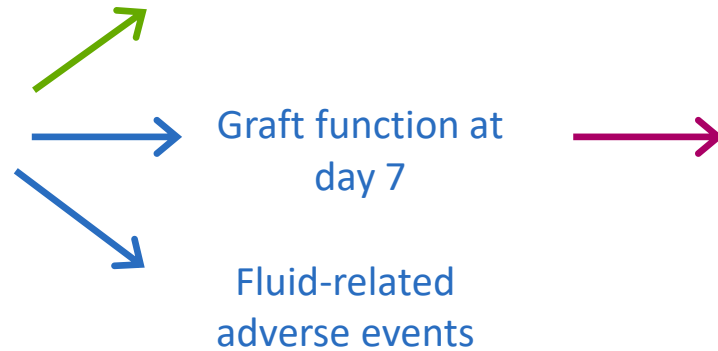
HYPOTHESIS: There is variability in the volumes of fluid administered to children undergoing kidney transplant. This impacts on short term graft function and is associated with fluid-related adverse events

DESIGN & OUTCOMES:

Retrospective multicentre study



102 children
5 transplant centres



Volume of fluid administered in 1st 72hr

Graft function at day 7

Fluid-related adverse events

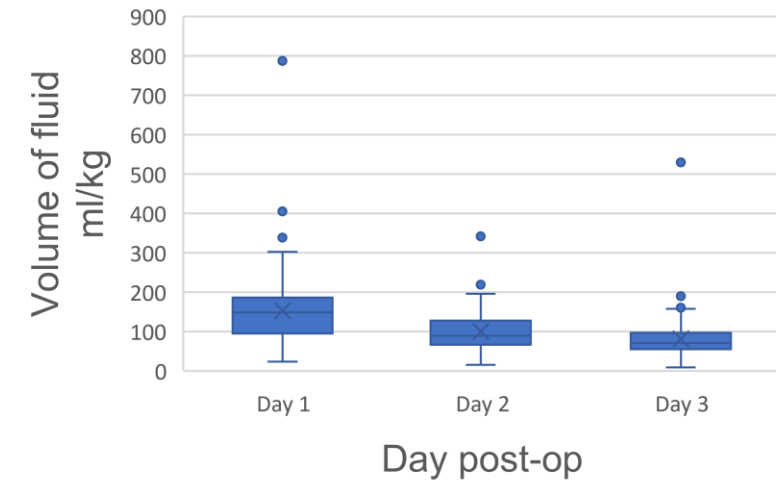
Highly variable volumes of fluid administered

Negatively skewed, sig. difference between fluid volume & day 7 eGFR

Negatively skewed, sig. difference between urine output & day 7 eGFR

Numerous fluid-related adverse events

Volumes of fluid administered on each day post-operatively



CONCLUSION: There is substantial variability in the volume of fluid administered perioperatively to children receiving kidney transplants in the UK. There is a negative association between fluid volume and short term graft function.

Wyatt et al. 2022