Assessed for eligibility (n=133)
Written informed consent

Excluded after 6 weeks wash out (n=47)
→ Not meeting inclusion criteria (n=31)
  o Low PTH=27
  o High phosphate=4
→ Exclusion (n=8)
  o Malignancy=7
  o One year survival not expected=1
→ Other reasons (n=8)
  o Transplantation=1
  o Death=3
  o Failed to wash out=2
  o Withdrawn consent=2

Randomized (n=86)

Alfacalcidol-Paricalcitol
Allocated to intervention (n=41)

Discontinued intervention (n=7) during
- Alfacalcidol (n=3)
  o Withdrawn consent=2
  o Malignancy=1
- Washout period 2 (n=3)
  o Transplantation=1
  o Death=1
  o Withdrawn consent=1
- Paricalcitol (n=1)
  o Withdrawn consent=1

No bloodsamples collected in biobank (n=8)

Paricalcitol-Alfacalcidol
Allocated to intervention (n=45)

Discontinued intervention (n=8) during
- Paricalcitol (n=3)
  o Transplantation=1
  o Withdrawn consent=2
- Washout period 2 (n=1)
  o Death=1
- Alfacalcidol (n=4)
  o Transplantation=3
  o Death=1

No bloodsamples collected in biobank (n=6)

Analysed
- cross-over (n=26)

Analysed
- cross-over (n=31)