

# Neurocognitive Outcomes for ICU Patients With Acute Kidney Injury

NCT04722939

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**Status** RECRUITING  
**Sponsor** Dr. Gordon Boyd  
**Enrollment** 104 participants

## Key Eligibility Criteria

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### Inclusion (4)

- age greater than or equal to 18 years
- admitted to the Kingston Health Sciences Intensive Care Unit
- diagnosis of severe AKI requiring Kidney Replacement Therapy (KRT) (defined by the presence of either a twofold increase in serum creatinine from baseline, serum creatinine level greater than or equal to 354 micromol/L with an increase of 27 micromol/L from baseline, or urine output  $\leq 6$  mL/kg in the preceding 12 hours)
- within 12 hours of initiation of KRT via intermittent hemodialysis (iHD) or continuous kidney replacement therapy (CKRT).

### Exclusion (8)

- acquired or congenital neurological disorders
- any contraindication to testing with cerebral oximetry, Kinarm, or MRI (e.g., claustrophobia, limb amputation, paresis, neuromuscular disorders, etc.)
- KRT via PD
- failure to consent
- life expectancy less than 24 hours
- ... and 3 more (see full listing online)

## Locations (1 total)

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Kingston Health Sciences Centre, Kingston, Ontario, Canada