

# Total Intravenous Anesthesia (TIVA)/Sevoflurane Initiated Intravenous Anesthesia (SIIVA) in Pediatric Patients

NCT05837936

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**Status** RECRUITING  
**Sponsor** Wake Forest University Health Sciences  
**Enrollment** 600 participants

## Key Eligibility Criteria

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### Inclusion (5)

- Pediatric patients <10 years of age
- Undergoing elective or emergency surgery with planned airway instrumentation with an endotracheal tube (ETT)
- Patients having general anesthesia with a planned SIIVA or TIVA technique
- Patients with an end tidal agent concentration of Sevoflurane <0.1% at the time of emergence and extubation
- following sevoflurane induction to place IV

### Exclusion (7)

- History of home oxygen use or ventilator dependence
- Patients with cyanotic congenital heart disease
- Patients undergoing anesthesia for imaging procedures alone
- Patients intended to be managed with supraglottic airway
- Patients having an anesthesia time < 30 minutes

... and 2 more (see full listing online)

## Locations (2 total)

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Atrium Health Wake Forest Baptist, Winston-Salem, North Carolina, United States  
Perth Children's Hospital, Perth, Australia