

# Individual Cerebral Hemodynamic Oxygenation Relationships

NCT04435834

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<b>Status</b>	RECRUITING
<b>Phase</b>	Phase 4
<b>Sponsor</b>	Matthew Borzage
<b>Enrollment</b>	30 participants

## Key Eligibility Criteria

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### Inclusion (7)

- Patients who are scheduled for a clinically indicated MRI at the sponsor institution.
- Patients who are able to tolerate an MRI.
- Patients who require clinical anesthesia for their MRI.
- Patients with conditions not believed to alter oxygen metabolism or blood flow in the brain, including but not limited to patients with orthopedic indications, undescended testicles, hernia repairs, term equivalent age scans.
- Patients who have no medical conditions that make the use of propofol or sevoflurane better for their clinical outcome.

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

### Exclusion (8)

- Patients with an MRI-incompatible device or implant (e.g. pacemakers, stents)
- Preterm infants less than 25 weeks postmenstrual age (PMA) at the time of the scan.
- Patients who are clinically too unstable to extend their MRI by up-to 10 minutes.
- Patients who do not require clinical anesthesia.
- Patients at risk for propofol infusion syndrome (known severe metabolic acidosis, hyperkalemia, lipemia, rhabdomyolysis, hepatomegaly, renal failure, ECG ST segment elevation, and/or cardiac failure)

... and 3 more (see full listing online)

## Locations (1 total)

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Children's Hospital Los Angeles, Los Angeles, California, United States