

# Physical Activity and Cognitive Development in Children

NCT02542683

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<b>Status</b>	RECRUITING
<b>Sponsor</b>	Columbia University
<b>Enrollment</b>	300 participants

## Key Eligibility Criteria

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### Inclusion (7)

- Congenital Heart Diseases (CHD) Cohort: All children with congenital cyanotic cardiac diseases scheduled for congenital cardiac surgery who are older than 30 months of age.
- Non-CHD, Surgical Cohort: All children 30 months or older who are undergoing non-cardiac surgery at Columbia University Medical Center (CUMC), including pediatric general surgery, urological surgery, ear, nose and throat (ENT) surgery, plastic surgery and eye surgery. These children will be recruited before surgery.
- Non-surgical cohort:
- Sibling of children of CHD patients within 12 months in age, and 30 months of age or older.
- Relatives of CHD patients of the same gender within 12 months in age and 30 months of age or older.

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

### Exclusion (10)

- Children with known chromosomal syndromes, or known syndromes including but not limited to DiGeorge, Trisomy 21, Williams, Noonan and Turner.
- Children with known physical disabilities.
- Children with known history of central nervous system (CNS) injury including stroke, birth asphyxia, seizure disorder, intraventricular hemorrhage.
- Children with abnormal neurological exam by a pediatric physician or nurse practitioner, and confirmed by a pediatric neurologist.
- Children with tricuspid regurgitation on echocardiography or on cardiac angiography that is moderate or greater.

... and 5 more (see full listing online)

## Locations (1 total)

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Columbia University Irving Medical Center / NewYork-Presbyterian Hospital, New York, New York, United States