VIGOR: Virtual Genome Center for Infant Health

NCT05205356

Status	RECRUITING
Sponsor	Boston Children's Hospital
Enrollment	750 participants

Key Eligibility Criteria

Inclusion (3)

- Newborns presenting with probable genetic conditions inpatient on the NICU. These may include (but is not limited to) those with unexplained hypotonia, seizures, metabolic disorders, disorders of sex development, interstitial lung disease, immunodeficiency or multiple congenital anomalies.
- Babies must have at least one biologic parent available for consent and participation.
- The criteria for inclusion are 100% phenotype based and do not include any demographic parameters.

Exclusion (5)

- Presence of a likely nongenetic explanation for the phenotype (e.g., perinatal asphyxia explained by uterine rupture or placental pathology;
- Clinical features pathognomonic for a recognizable chromosomal abnormality, such as trisomy 21;
- Associations already known to have low genetic diagnostic yield, including VATER/VACTERL association and OEIS complex;
- Infants who die before enrollment;
- Known family history of genetic disease that is plausibly the cause of the infant's illness; - Those with a prenatal genetic diagnosis.

Locations (10 total)

USA Children's and Women's Hospital, Mobile, Alabama, United States
Holtz Children's Hospital at Jackson Memorial Medical Center, Miami, Florida, United States
Boston Medical Center, Boston, Massachusetts, United States
... and 7 more locations