Trisomy 13

Also called: Patau syndrome Bartholin-Patau syndrome, Chromosomal imbalance syndrome, pair 13, trisomy chromosome, 13 trisomy syndrome, Complete trisomy 13 syndrome, D1 Trisomy.

Trisomy 13 is a chromosomal abnormality related to chromosome 13 in which all or part of chromosome 13 appears three times (trisomy) rather than twice in some or all cells of the body. The extra material disrupts the normal course of development, causing the characteristic features of trisomy 13. Trisomy 13 affects approximately 1 in 5,000 to 10,000 live births.

Trisomy 13 is associated with severe mental retardation and health problems involving nearly every organ system in the body. Babies with trisomy have certain physical abnormalities that include small eyes that may exhibit a split in the iris (coloboma), an opening in the roof of the mouth (a cleft palate) and/or a cleft lip, weak muscle tone (hypotonia), skeletal abnormalities, an increased risk of heart defects, and other medical problems. This syndrome has multiple abnormalities, many of which are not compatible with life. More than 80% of babies with trisomy 13 die in the first month of life.

Resources

NOTE: This page contains links to other World Wide Web sites with information about this disorder. The Department of Health and Senior Services (DHSS) hopes you find these sites helpful. Remember the DHSS does not control nor does it necessarily endorse the information presented on these web sites.

For a complete list of resources related to birth defects, including state programs and resources, support groups and not-for-profit organizations click on the following link. http://www.health.mo.gov/living/families/genetics/birthdefects/resources.php

- Genetic Alliance
- Living with Trisomy 13
- March of Dimes
- MedlinePlus
- National Institutes of Health
- National Organization for Rare Disorders (NORD)
- St. Louis Children's Hospital
- Support Organization For Trisomy 18, 13 and Related disorders

Genetic Tertiary Centers

How to Obtain Genetic Services
Your family physician can usually provide information regarding genetic services in your area. Genetic clinics are periodically held in a location near you. For information, contact one of the centers listed below.

Cardinal Glennon Children's Medical Center
St. Louis, Missouri 314-577-5639

Children's Hospital at University Hospital and Clinics
Columbia, Missouri 573-882-6991

Children's Mercy Hospital
Kansas City, Missouri 816-234-3290

St. Louis Children's Hospital
St. Louis, Missouri 314-454-6093