Genetic Disorder Prediction Report

Patient Age: 8

Gender: Female

Predicted Disorder: Genetic Disorder

Subclass: Leigh syndrome

Date: 14-02-2026

Description:

Overview
Leigh syndrome is a rare genetic disorder that affects the brain and nervous system. It typically appears i

Causes
Leigh syndrome is caused by mutations in genes that are important for energy production in cells. These

Symptoms
Symptoms of Leigh syndrome can vary but often include:
- Delayed development or loss of milestones (like sitting or walking)
- Weak muscle tone (hypotonia)
- Difficulty with movement and coordination
- Seizures
- Breathing problems
- Feeding difficulties
- Irritability or unusual behavior

Symptoms usually start appearing in the first year of life and can worsen over time.

Diagnosis
To diagnose Leigh syndrome, doctors will typically:
1. Review the child's medical history and symptoms.
2. Conduct a physical examination.
3. Order tests such as:
   - Blood tests to check for metabolic issues.
   - MRI scans to look for changes in the brain.
   - Genetic testing to identify specific mutations.

Treatment
Currently, there is no cure for Leigh syndrome, but treatment focuses on managing symptoms and improv
- Physical therapy to help with movement and coordination.
- Medications to control seizures.
- Nutritional support, sometimes through feeding tubes if needed.
- Regular monitoring by a team of specialists, including neurologists and geneticists.

Follow-up Advice
If your child has been diagnosed with Leigh syndrome, regular follow-up appointments are important. Her
- Keep a close eye on your child’s development and report any changes to their healthcare team.
- Work with therapists to support your child's physical and developmental needs.
- Stay informed about the condition and connect with support groups for families affected by Leigh syndro
- Discuss any new symptoms or concerns with your doctor promptly.

Remember, while Leigh syndrome can be challenging, many families find ways to support their children a