Genetic Disorder Prediction Report

Patient Age: 4

Gender: Male

Predicted Disorder: Genetic Disorder

Subclass: Leigh syndrome

Date: 26-12-2025

Description:

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

Causes
Leigh syndrome is caused by mutations (or changes) in genes that are important for energy production in

Symptoms
Symptoms of Leigh syndrome can vary widely but often include:
- Delayed development or loss of motor skills (like sitting up or walking)
- Weak muscle tone (hypotonia)
- Seizures
- Breathing problems
- Difficulty swallowing
- Changes in behavior or irritability
- Poor growth and feeding difficulties

These symptoms can develop quickly and may 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 imaging tests, such as an MRI, to look at the brain.
4. Perform genetic testing to identify specific mutations associated with the disorder.

Treatment
Currently, there is no cure for Leigh syndrome, but treatment focuses on managing symptoms and improv
- Physical therapy to help with movement and strength.
- Occupational therapy to assist with daily activities.
- Medications to control seizures or other symptoms.
- Nutritional support, which might involve special diets or feeding tubes if necessary.

Follow-up Advice
If your child is diagnosed with Leigh syndrome, regular follow-up appointments with a healthcare team ar

It's also important to connect with support groups or organizations that focus on Leigh syndrome, as they

Remember, every child is unique, and their experience with Leigh syndrome may differ. Keeping an open