Genetic Disorder Prediction Report

Patient Age: 2

Gender: Male

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 muscles. It usually appears in infants

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

Symptoms
The symptoms of Leigh syndrome can vary, but they often include:
- Delays in development, such as not sitting up or walking on time
- Weak muscle tone (hypotonia)
- Loss of motor skills (like crawling or walking)
- Seizures
- Breathing problems
- Difficulty feeding
- Irritability or unusual behavior

Symptoms can worsen over time, and the severity can differ from one child to another.

Diagnosis
To diagnose Leigh syndrome, doctors usually start with a physical examination and a review of the child's
- Blood tests to check for metabolic problems
- MRI scans of the brain to look for specific changes
- Genetic testing to identify mutations in the genes associated with Leigh syndrome

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

Follow-up Advice
If your child has been diagnosed with Leigh syndrome, regular follow-ups with a healthcare team are imp

It's also helpful to connect with support groups or organizations that focus on Leigh syndrome. They can