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 changes (mutations) in genes that are important for energy production in ce

Symptoms
The symptoms of Leigh syndrome can vary widely, but they often include:
- **Developmental delays**: Children may not reach milestones like sitting up or walking on time.
- **Loss of motor skills**: Skills that were previously learned may be lost.
- **Weakness**: Muscle weakness and poor muscle tone are common.
- **Seizures**: Some children may experience seizures.
- **Breathing problems**: Issues with breathing can occur, especially during sleep.
- **Feeding difficulties**: Children may have trouble eating or swallowing.

Symptoms usually begin in the first year of life and can progress quickly.

Diagnosis
To diagnose Leigh syndrome, doctors will typically:
1. **Take a medical history**: They will ask about symptoms and family history.
2. **Perform a physical exam**: This helps assess the child's development and overall health.
3. **Order tests**: These may include blood tests, MRI scans of the brain, and genetic testing to identify a

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 specific symptoms.
- **Nutritional support**: Special diets or feeding tubes may be necessary if eating is difficult.

Follow-up Advice
If your child has been diagnosed with Leigh syndrome, regular follow-up appointments with a healthcare t

It’s also helpful to connect with support groups for families affected by Leigh syndrome. They can provide