Genetic Disorder Prediction Report

Patient Age: 6

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 the production of energ

Symptoms
The symptoms of Leigh syndrome can vary widely, but they often include:
- Delayed development or loss of skills (like sitting or walking)
- Muscle weakness and poor muscle tone
- Difficulty with breathing or swallowing
- Seizures
- Problems with movement and coordination
- Abnormalities in the brain, which can be seen on MRI scans

Symptoms usually start in the first year of life, but some cases can appear later.

Diagnosis
To diagnose Leigh syndrome, doctors will:
1. **Take a detailed medical history**: This includes asking about symptoms and family history.
2. **Perform a physical examination**: They will check for signs of developmental delays or neurological i
3. **Order tests**: This may include blood tests to look for metabolic problems, genetic testing to identify

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
- Occupational therapy to assist with daily activities
- Medications to control seizures or other symptoms
- Nutritional support to ensure proper feeding and growth

Some patients may benefit from supplements, such as thiamine or coenzyme Q10, but these should be d

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 or organizations that focus on Leigh syndrome, as they ca