

# Genetic Disorder Prediction Report

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Patient Age: 1

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 the

### ### Symptoms

The symptoms of Leigh syndrome can vary widely but 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.
- **Seizures**: Some children may experience seizures, which are sudden bursts of electrical activity in the brain.
- **Weak muscle tone**: This can make it difficult for the child to move or control their body.
- **Breathing problems**: Some children may have difficulty breathing or may breathe irregularly.
- **Feeding difficulties**: They may have trouble eating or swallowing.

### ### Diagnosis

To diagnose Leigh syndrome, doctors will typically:

1. **Review the medical history**: They will ask about symptoms and family history.
2. **Perform a physical examination**: This helps assess the child's development and neurological function.
3. **Order tests**: These may include blood tests, MRI scans of the brain, and genetic testing to look for specific mutations.

### ### Treatment

Currently, there is no cure for Leigh syndrome, but treatment focuses on managing symptoms and improving quality of life.

- **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**: Some children may need special diets or feeding tubes to ensure they get enough nutrition.

### ### Follow-up Advice

If your child has been diagnosed with Leigh syndrome, regular follow-up with a healthcare team is important.

- **Monitor development**: