

Genetic Disorder Prediction Report

Patient Age: 9

Gender: Female

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 the genes that are responsible for producing ene

Symptoms

Symptoms of Leigh syndrome can vary widely but often include:

- **Developmental delays**: Children may not reach milestones like sitting up or walking at the expected age.
- **Loss of motor skills**: Skills that were previously learned may be lost.
- **Muscle weakness**: Children may have difficulty with movement and coordination.
- **Seizures**: Some children may experience seizures.
- **Breathing problems**: There may be issues with breathing or swallowing.
- **Poor growth**: Children may not gain weight or grow as expected.

Diagnosis

To diagnose Leigh syndrome, doctors will typically:

- **Take a medical history**: This includes asking about symptoms and family history.
- **Perform a physical examination**: This helps assess the child's development and physical condition.
- **Order genetic tests**: These tests can identify specific gene mutations associated with Leigh syndrome.
- **Conduct imaging tests**: MRI scans of the brain can show characteristic changes associated with the disorder.

Treatment

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

- **Physical therapy**: To help improve movement and coordination.
- **Occupational therapy**: To assist with daily activities.
- **Medications**: To control seizures or other symptoms.
- **Nutritional support**: Special diets or feeding tubes may be necessary for children who have trouble eating or drinking.

Follow-up Advice

If your child has been diagnosed with Leigh syndrome, regular follow-up appointments with a healthcare provider are essential.

Additionally, connecting with support groups or organizations focused on Leigh syndrome can be beneficial for emotional support and resources.