Genetic Disorder Prediction Report

Patient Age: 10

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

Symptoms
Symptoms of Leigh syndrome can vary but often include:
- Delayed development or loss of motor skills (like sitting, crawling, or walking)
- Weak muscle tone (hypotonia)
- Seizures
- Breathing difficulties
- Problems with coordination and balance
- Vision and hearing issues
- Irritability or unusual behavior

Symptoms usually start in the first year of life, but they can sometimes appear later.

Diagnosis
To diagnose Leigh syndrome, doctors typically:
- Review the child’s medical history and symptoms
- Perform a physical examination
- Order blood tests to check for metabolic problems
- Use imaging tests like MRI to look at the brain
- Conduct genetic testing to identify specific mutations

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
- Medications to control seizures
- Nutritional support, sometimes through a special diet or supplements
- Supportive care, which may include speech therapy or occupational therapy

Follow-up Advice
If your child has been diagnosed with Leigh syndrome, regular follow-ups with a healthcare team are imp
- Regular check-ups with a pediatrician or a neurologist
- Monitoring for new symptoms or changes in health
- Working with specialists like physical and occupational therapists
- Connecting with support groups for families affected by Leigh syndrome for emotional support and reso

Always feel free to ask your healthcare provider any questions or concerns you may have about your chil