

# Genetic Disorder Prediction Report

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Patient Age: 14

Gender: Male

Predicted Disorder: Genetic Disorder

Subclass: Hemochromatosis

Date: 26-12-2025

## Description:

### ### Overview

Hemochromatosis is a genetic disorder that causes your body to absorb too much iron from the food you

### ### Causes

Hemochromatosis is usually caused by a change (mutation) in a gene called HFE. This gene helps regul

### ### Symptoms

Many people with hemochromatosis may not notice symptoms at first, but as iron builds up in the body, y

- Fatigue or weakness
- Joint pain
- Abdominal pain
- Weight loss
- Changes in skin color (often a bronze or gray tint)
- Diabetes or other hormonal problems
- Heart issues, like irregular heartbeat

### ### Diagnosis

To diagnose hemochromatosis, your doctor may:

1. **\*\*Take a medical history\*\***: Discuss your symptoms and family history.
2. **\*\*Perform blood tests\*\***: These tests check your iron levels and how well your body is managing iron.
3. **\*\*Liver biopsy or imaging\*\***: In some cases, your doctor may recommend a liver biopsy or imaging test.

### ### Treatment

The main treatment for hemochromatosis is to reduce the amount of iron in your body. This can be done

- **\*\*Phlebotomy\*\***: This is a procedure where blood is drawn from your body regularly to lower iron levels.
- **\*\*Dietary changes\*\***: Your doctor may recommend avoiding iron-rich foods and vitamin C supplements,
- **\*\*Medications\*\***: In some cases, medications that help remove excess iron may be prescribed.

### ### Follow-up Advice

If you have hemochromatosis, regular follow-up appointments with your healthcare provider are important

- **\*\*Stay informed\*\***: Learn about your condition and how to manage it.
- **\*\*Follow your treatment plan\*\***: Stick to the schedule for blood draws and any dietary recommendations
- **\*\*Watch for symptoms\*\***: Report