

# Genetic Disorder Prediction Report

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Patient Age: 1

Gender: Male

Predicted Disorder: Genetic Disorder

Subclass: Cancer

Date: 26-12-2025

Description:

## ### Overview

Cancer is a disease that happens when the cells in our body grow and divide uncontrollably. Normally, ou

## ### Causes

Cancer can be caused by a variety of factors, including:

- \*\*Genetic mutations\*\*: Changes in our DNA can lead to cancer. Some people inherit these mutations from their parents.
- \*\*Environmental factors\*\*: Exposure to certain chemicals, radiation, or viruses can increase the risk of developing cancer.
- \*\*Lifestyle choices\*\*: Smoking, excessive alcohol consumption, poor diet, and lack of physical activity can contribute to cancer risk.

## ### Symptoms

The symptoms of cancer can vary widely depending on the type and location of the cancer. Common symptoms include:

- Unexplained weight loss
- Fatigue or weakness
- Pain that doesn't go away
- Changes in skin (such as new moles or changes in existing moles)
- Persistent cough or difficulty breathing
- Changes in bowel or bladder habits

## ### Diagnosis

To diagnose cancer, doctors may use several methods, including:

- \*\*Physical exams\*\*: Checking for lumps or other physical signs.
- \*\*Imaging tests\*\*: X-rays, CT scans, MRIs, or ultrasounds to look inside the body.
- \*\*Biopsies\*\*: Taking a small sample of tissue to examine it under a microscope for cancer cells.
- \*\*Blood tests\*\*: Some cancers release substances into the blood that can be detected.

## ### Treatment

Treatment for cancer depends on the type and stage of the disease but may include:

- \*\*Surgery\*\*: Removing the tumor and some surrounding tissue.
- \*\*Radiation therapy\*\*: Using high-energy rays to kill cancer cells.
- \*\*Chemotherapy\*\*: Using drugs to kill cancer cells or stop them from growing.
- \*\*Immunotherapy\*\*: Helping the body's immune system fight cancer.
- \*\*Targeted therapy\*\*: Using drugs that specifically target cancer cells with certain genetic changes.

## ### Follow-up Advice

After treatment, regular follow-up appointments are essential to monitor for any signs of cancer returning.

- \*\*Keep all follow