

Genetic Disorder Prediction Report

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, our

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-up appointments**.