Precision Health Clinic

Uniquely You

About PRISM

SingHealth Duke-NUS Institute of Precision Medicine (PRISM) is the institutional flagship initiative of SingHealth and Duke-NUS Medical School. PRISM aims to drive, promote and standardise the use of Precision Medicine and Precision Health for improving patient care, focusing on diseases relevant to Asian populations.

Precision Medicine is a framework whereby genetic, clinical, lifestyle and environmental variability of each individual is measured and integrated to tailor accurate therapies, which can improve treatment efficacy and minimise side effects. Implementing Precision Medicine is expected to translate into quality-adjusted life expectancy gains that will benefit the individual and society at large.

The promise of Precision Medicine lies not only in improving therapies for patients but also facilitating preventive interventions for healthy individuals at risk of diseases, also known as **Precision Health**.

To understand more

If you have any questions or would like to make an appointment at the PRISM Precision Health Clinic please contact:

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SingHealth DukeNUS ACADEMIC MEDICAL CENTRE
Institute of Precision Medicine (PRISM)

Understand your future health by sequencing your genome

What does "sequencing your genome" mean?

Whole genome sequencing (WGS) involves analysing DNA which is the genetic material inherited from our parents. Genes are made up of DNA and instruct how the body functions and what it looks like. Everyone contains different variations of these genes, some variants can be advantageous and some can cause harm to our health. In some cases, there is medical advice that can help prevent or reduce the severity caused by a gene variant affecting health risks.

What does it involve?

1. 

Attending an appointment to meet with our genetics specialists (certified genetic counsellor and consultant geneticist)

2. 

Collection of a small blood sample for analysis by whole genome sequencing

3. 

Meeting with our genetics specialists to review your genomic results

What could I learn?

The type of genetic information that may be returned to you could include:

- **A diagnosis of a treatable genetic condition**
- **An increased risk of developing a genetic condition**
- **Information about how you may respond to medication**
- **Information that you are a carrier for a genetic condition**

Which genes will be analysed?

We analyse genes that have been scientifically shown to be associated with genetic conditions which can be managed with medical interventions.

These genes are associated with:

Cancer

Cardiology

Cholesterol

Haematology

Neurology

Metabolic conditions

Respiratory conditions

Organ-specific or multi-organ conditions

Drug response (pharmacogenomics)

What will I receive?

- ☑ A report which will highlight any genetic conditions that you may be at risk of developing or carry
- ☑ Dosage recommendations for prescription drugs
- ☑ Personalised information and support from our genetics specialists
- ☑ Your whole genome data presented pictorially and as a data file
- ☑ Reanalysis as new genomic information becomes relevant to your health (additional charges may apply)