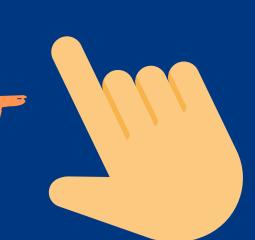


# Personalising CANCER TREATMENT





### What is Precision Medicine?

Precision Medicine allows doctors to select treatments that are most likely to help patients based on a genetic understanding of their cancer.

## **HOW IT WORKS?**



Cancer diagnosed



Genes in tumour cells analysed



Target in cancer cells identified



Matching treatment with genetic alteration

# Cancer treatment has come a long way.



Surgery



Radiation



Chemotherapy

Precision Medicine



**Immunotherapy** 



Targeted
Therapy



Hormonal Therapy

# Precision Medicine takes into account:

Medical History Individual Preferences

Individual Genes

Lifestyle

Environment

HOSPITAL

No two cancer patients are treated the same.

# PROS & CONS OF PRECISION MEDICINE

#### Pros

Find the most effective treatment

Avoid unnecessary treatments that are ineffective

Avoid unnecessary side effects

Further develop therapies that target specific tumour cells

### Cons

Does not apply to everyone

May require multiple re-testing to detect additional genetic changes

High cost

Source: 1. WHO

2. George Institute Credits to Dr. Azura Rozila Ahmad, Consultant Medical Oncologist, Beacon Hospital