

TARGETING CANCER


with Lesser Side Effects



What is Targeted Therapy?

A cancer treatment that targets the changes within cancer cells to stop them from growing, dividing and spreading.

Why Targeted Therapy?

TRADITIONAL	TARGETED
Works against any rapidly dividing cells	Identifies specific targets within cancer cells
Treats cancer by killing cancer cells	Interfering with specific proteins that supply cancer cells to grow
Affects both healthy cells and cancer cells	Significantly reduces impact on healthy cells
Generally more side effects	Generally less side effects 

Who Receives Targeted Therapy?

Most patients with cancer will have a target for a certain drug. The tumour will **need to be tested** to see if it contains targets for a certain drug, so that they can be treated with the suitable one.



BIOPSY

A piece of the tumour is removed for test



TEST

Identify specific targets within cancer cells



TREATMENT

Conduct targeted therapy with suitable drugs



Help the immune system destroys cancer cells



Stop cancer cells from growing



Cause cancer cells death



Starve cancer of the hormones needed for its growth



Deliver cell-killing substances to cancer cells



Work against blood vessels in tumours

Ways Targeted Therapy Treat Cancer

How is it Given?



Small-molecule Drugs

Given as orally ingested pills or capsules



Monoclonal Antibodies

Given by injection into blood veins

Source: National Cancer Institute, US

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