

What Treatments Are Used for

# HER2-POSITIVE Breast Cancer ?



## Treatment

for HER2-positive breast cancer depends on the stage of the cancer. It typically consists of a combination of chemotherapy and therapies that directly target HER2. Your doctor will talk to you about what treatment is the most appropriate for you.

HER2 Positive

### Targeted Therapies

Targeted therapy is a treatment that targets proteins that control how cancer cells grow, divide, and spread.

### Chemotherapy

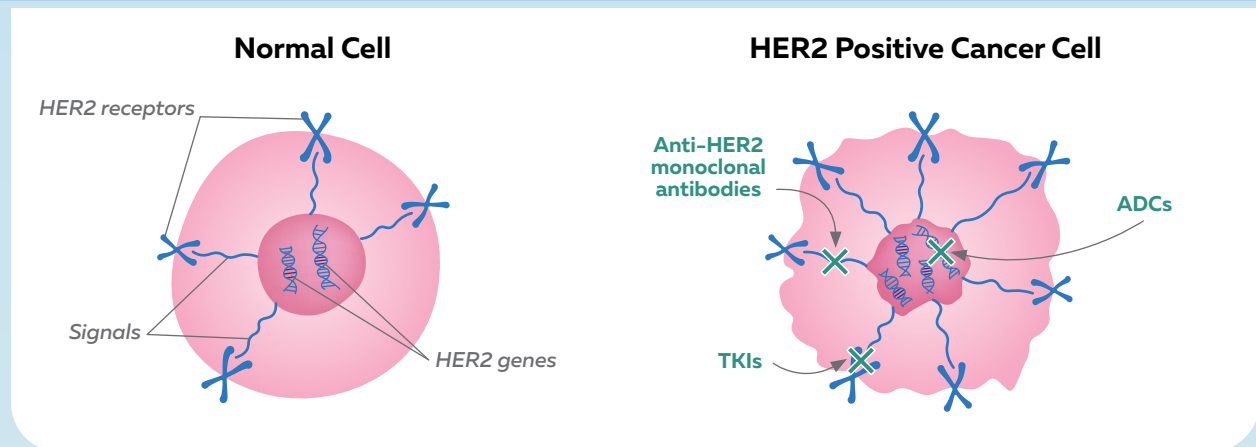
Chemotherapy ("chemo") is a treatment that uses drugs to kill cancer cells.

# What Targeted Therapies Are Used to Treat HER2-Positive Breast Cancer, and How Do They Work?

*There are different types of targeted therapies available for treating HER2-positive breast cancer*

Anti-HER2 monoclonal antibodies	Tyrosine kinase inhibitors (TKIs)	Antibody-drug conjugates (ADCs)
<ul style="list-style-type: none"> <li>• Margetuximab (Margenza)</li> <li>• Pertuzumab (Perjeta)</li> <li>• Trastuzumab (Herceptin)</li> </ul>	<ul style="list-style-type: none"> <li>• Lapatinib (Tykerb)</li> <li>• Neratinib (Nerlynx)</li> <li>• Tucatinib (Tukysa)</li> </ul>	<ul style="list-style-type: none"> <li>• Ado-trastuzumab emtansine (Kadcyla)</li> <li>• Sacituzumab govitecan (Trodelvy)</li> <li>• Trastuzumab deruxtecan (Enhertu)</li> </ul>

## How Do the Drugs Work?



### Anti-HER2 monoclonal antibodies (margetuximab, pertuzumab, and trastuzumab)



These drugs are given via an intravenous (IV) treatment that you will receive at a healthcare facility. They target the HER2 protein outside of the cell, on the cell surface. Too much HER2 creates a lot of protein receptors. These receptors tell the cancer cells to divide and multiply. These drugs block the receptors and stop the signals that tell the cells to multiply.

### TKIs (lapatinib, neratinib, and tucatinib)



These drugs are oral treatments that may be used in combination with other drugs. They target the HER2 protein on the inside of the cancer cell and stop cells from dividing and growing.

### ADCs (ado-trastuzumab and trastuzumab deruxtecan)



These drugs are given via an IV treatment that you will receive at a healthcare facility. They work by targeting the inside of the cancer cell. The drugs have 3 parts to help them work. One of the parts carries the chemotherapy into the cell, which targets the DNA and kills the cancer cell.

Developed by Paradigm Medical Communications, LLC, in collaboration with Moffitt Cancer Center and USF Health, and supported by an independent medical education grant from Daiichi Sankyo, Inc, and AstraZeneca..

*This information is provided for educational and informational purposes only and is not intended to replace the advice of a qualified healthcare professional.*

©2024 Paradigm Medical Communications, LLC, and USF Health.



USF Health

