Molecular sub typing of Breast Cancer: Introduction

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Introduction

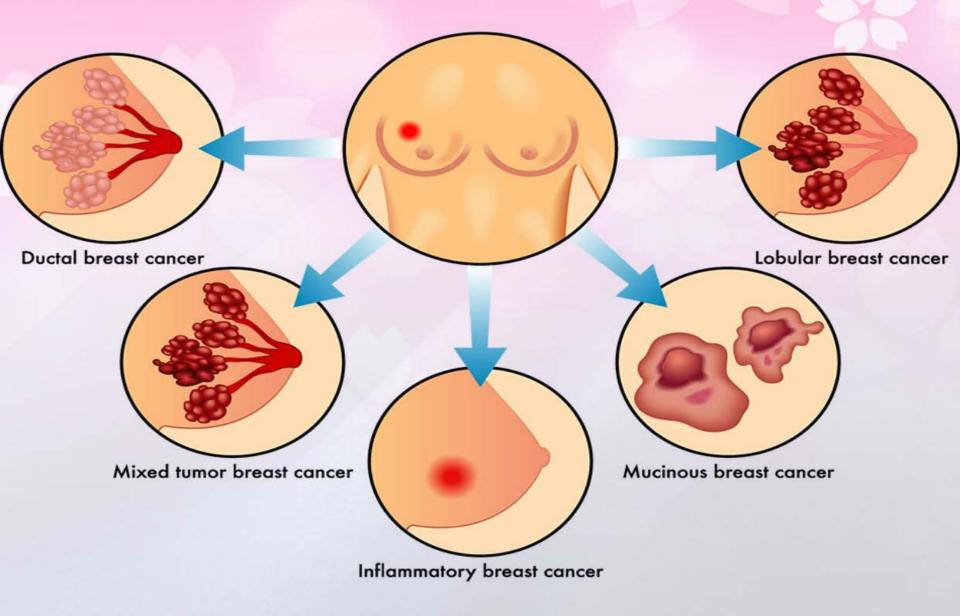
Breast Cancer: heterogeneous disease with substantial genotypic and phenotypic diversity.

It is one of the leading causes of death from cancer worldwide.

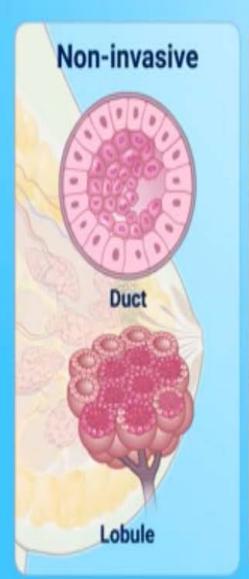
The second most common malignant tumor in female.

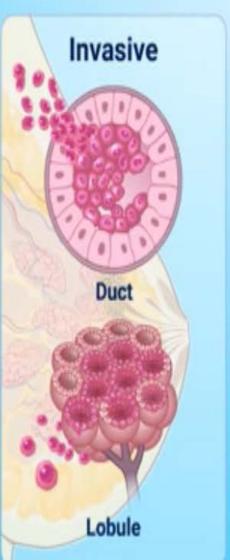
In Iraq, it is the first top ten of cancers women and is the fifth most common cause of cancer death

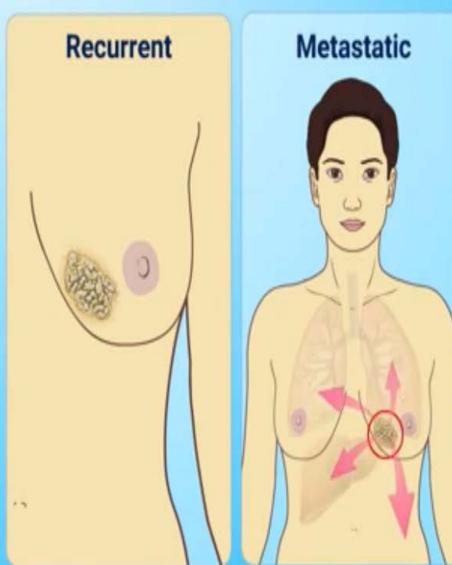
Types of Breast Cancer



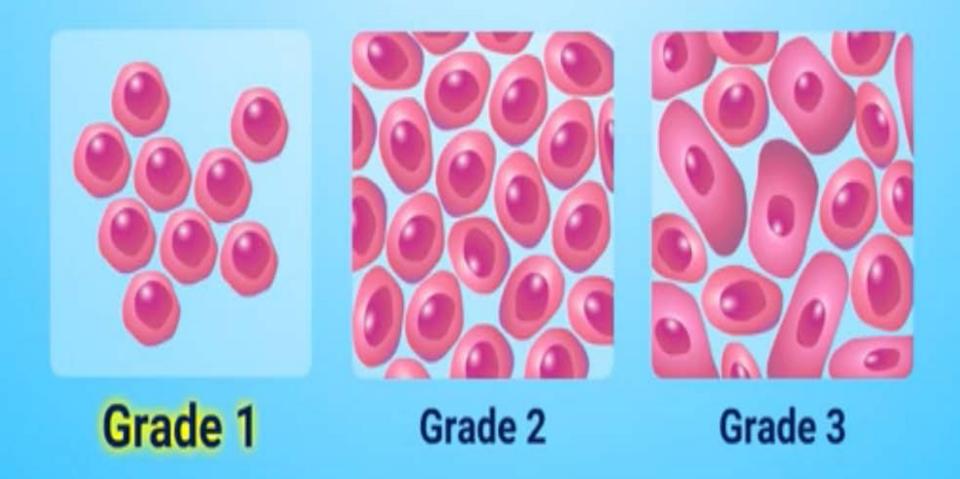
Understanding the behavior of breast cancer

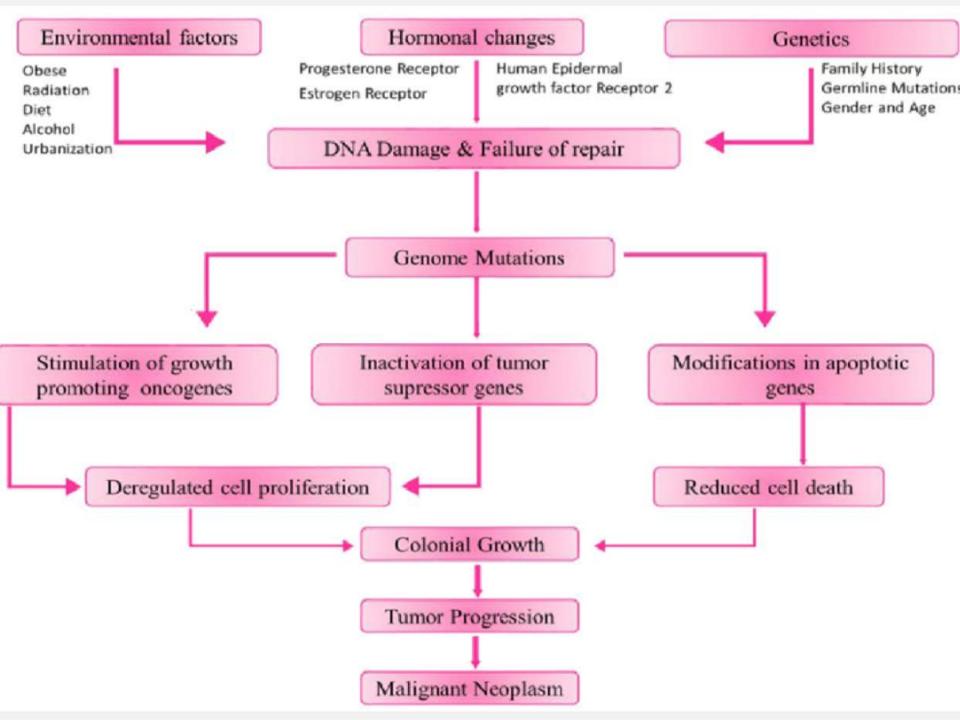






What are the grades of breast cancer?





Basal-like

ER-, PR-

HER2-

CK5/6and/

or EGFR+

Molecular subtype			
Immunoprofile	Luminal A	Luminal B	HER2/neu
ER, PR	ER and/or PR+	ER and/or PR+	ER-, PR-

HER2and others

HER2-

(<14%)

LowKi-67

HER2+or

Ki-67 =14%

HER₂-

HER₂+

Thank you