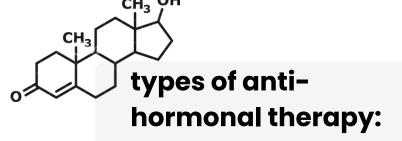
types of breast cancer oestrogen positive (ER +) φ

the subtype

ERalpha is primarily
involved in breast
cancer





'Old Tigers Avoid Flames'

oestrogen

tamoxifen

- selective estrogen receptor modulator (SERM)
- anastrozole / letrozole
- fulvestrant

oestrogen receptor downregulator/ antagonist

what is oestrogen positive cancer?

when cells with oestrogen receptors grow uncontrollably due to oestrogen binding to these receptors, stimulating their excessive growth.

how does pre/post-menopausal status influence treatment profile for oestrogendependent breast cancer?

pre-menopause: higher ovarian oestrogen production fuels breast cancer growth.

tamoxifen is the main treatment, despite causing hot flashes, irregular periods, and a small risk of blood clots and uterine cancer.

post-menopause: ovaries produce less oestrogen, but it's still made in fat tissue.

anastrozole, an aromatase inhibitor, is commonly used, causing side effects like joint pain and bone thinning (osteoporosis risk).

fulvestrant is reserved for advanced cases.

TYPES OF BREAST CANCER
ONCOLOGY

