

## Prof. Dr **ALAA EL - SUITY**









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## Items :

### Anatomy

• Risk factors of breast cancer

Diagnosis (c/p & investigations)

Treatment of early breast cancer

References

# ANATOMY UNDERSTANDING BREAST CANCER

### What Is Breast Cancer?

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#### **Diagnesis of Breast Canter**

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#### Mainungraphy





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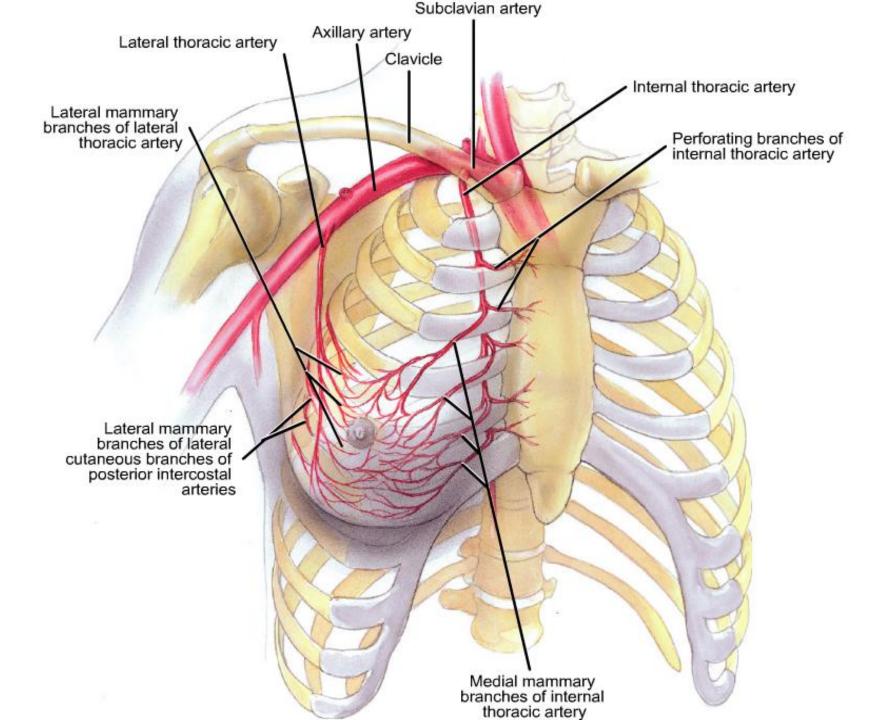
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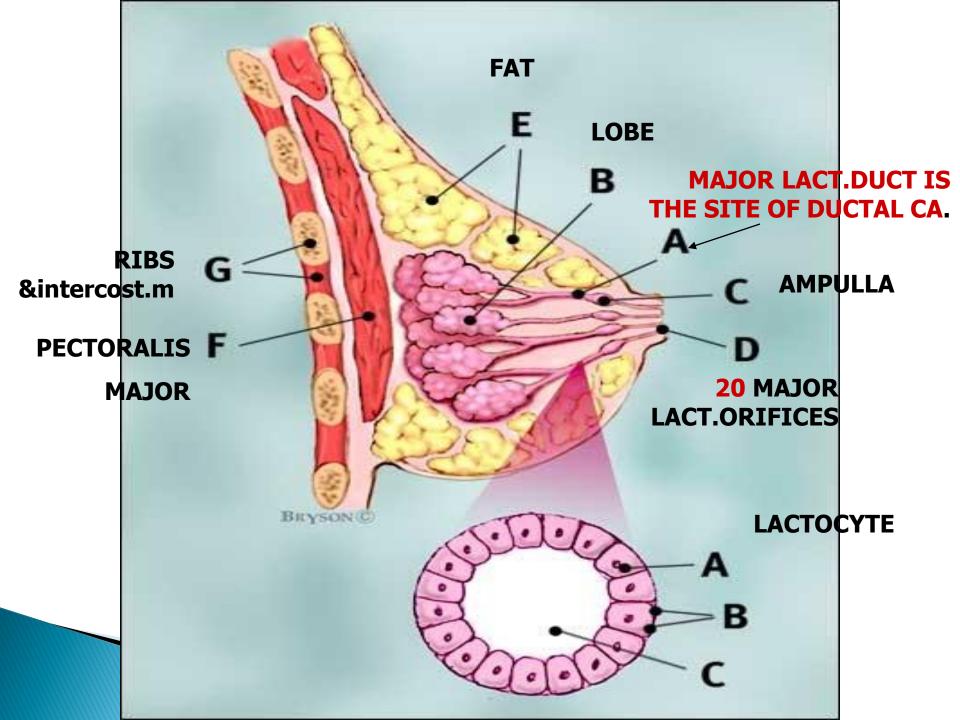
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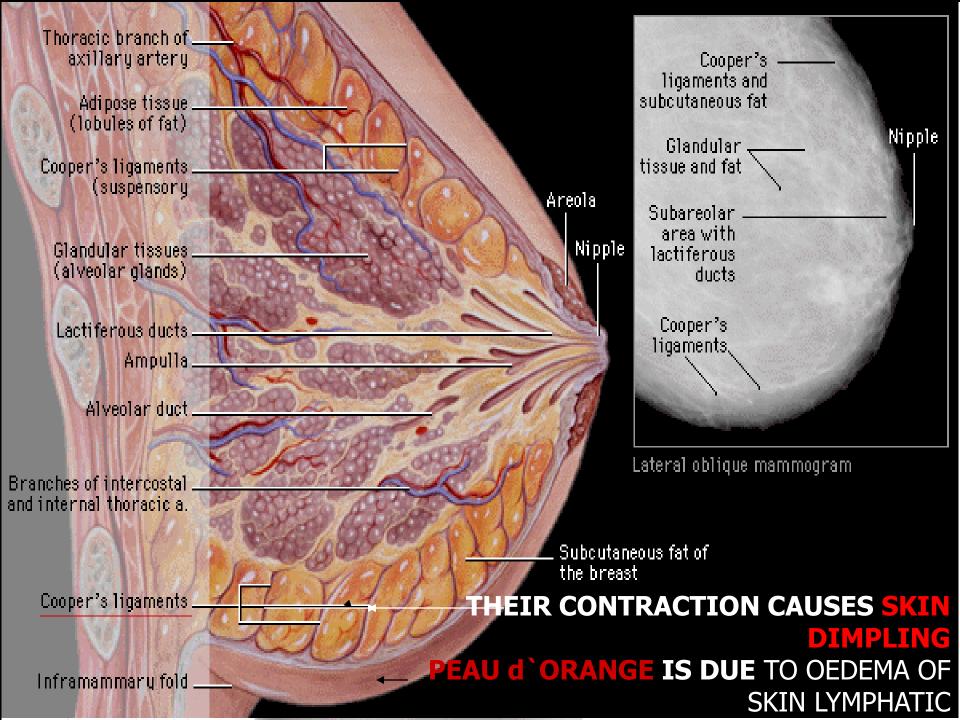
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APICAL

ENCINE-MANMARY NATIONAL TO CHYCOIT BREAM

LATERAL

SUBSCAP.V

RPOSTERIO PECTORAL AT.THOR.V

SENTINEL L.N

LONG THORACIC N

85% OF THE BREAST DRAIN INTO THE AXILLA \_\_\_\_ SUPERIOR THORACIC V.

INTERNAL MAMMARY L.N.

Fibroadenoma & cystic disease Lobule-Lobular cancer Ductal cancer, Duct ectasia Lactiferous sinus Paget's, disease Fat and connective tissue stroma

Phyllodes tumor

Lymph node

Pectoral muscles minor major

Intercostal

Rib

### IF IT IS FILLED WIT

### MILK IT IS GALACTOCEL

# **Regional Lymph Nodes for Breast**

A: Pectoralis major muscle

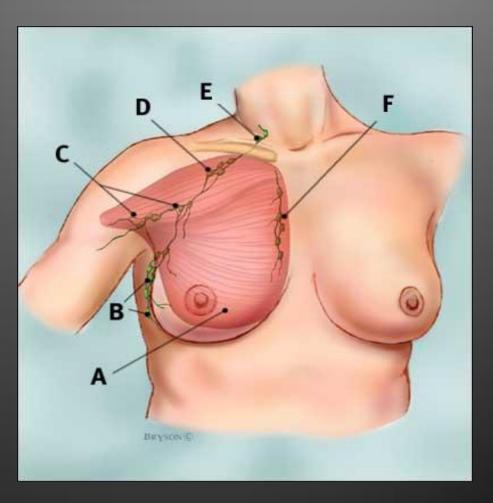
B: Axillary lymph nodes level I

C: Axillary lymph nodes level II

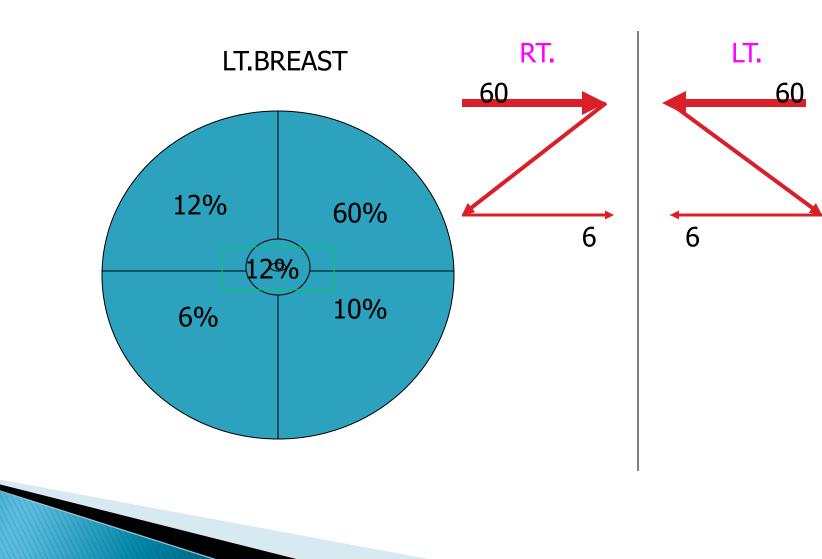
D: Axillary lymph nodes level III

E: Supraclavicular lymph nodes

F: Internal mammary lymph nodes



# SITES



# **Breast Cancer Risk Factors**

- Risk Factors do not cause breast cancer but are associated with an increased chance of getting breast cancer
- The number one risk factor for breast cancer is being a women

Age is a risk; the chance of getting breast cancer increases with age

# Age as a Risk Factor

	RISK
By age 30	1 out of 2,000
By age 40	1 out of 233
By age 50	1 out of 53
By age 60	1 out of 22
By age 70	1 out of 13
By age 80	1 out of 9
Lifetime risk	1 out of 8

NCI SEER Program, 1995–1997

# **Risk Factors**

### Controllable

- Alcohol drinking
- Being overweight
- Never having children
- Ist child >30yrs of age
- Hormone Replacement
- Birth control pills (very slight)

ACS Breast Cancer Facts 2001-02

### Uncontrollable

- Getting older
- First degree relative with breast cancer
- A previous breast biopsy showing atypical changes