

MAMMARY GLAND

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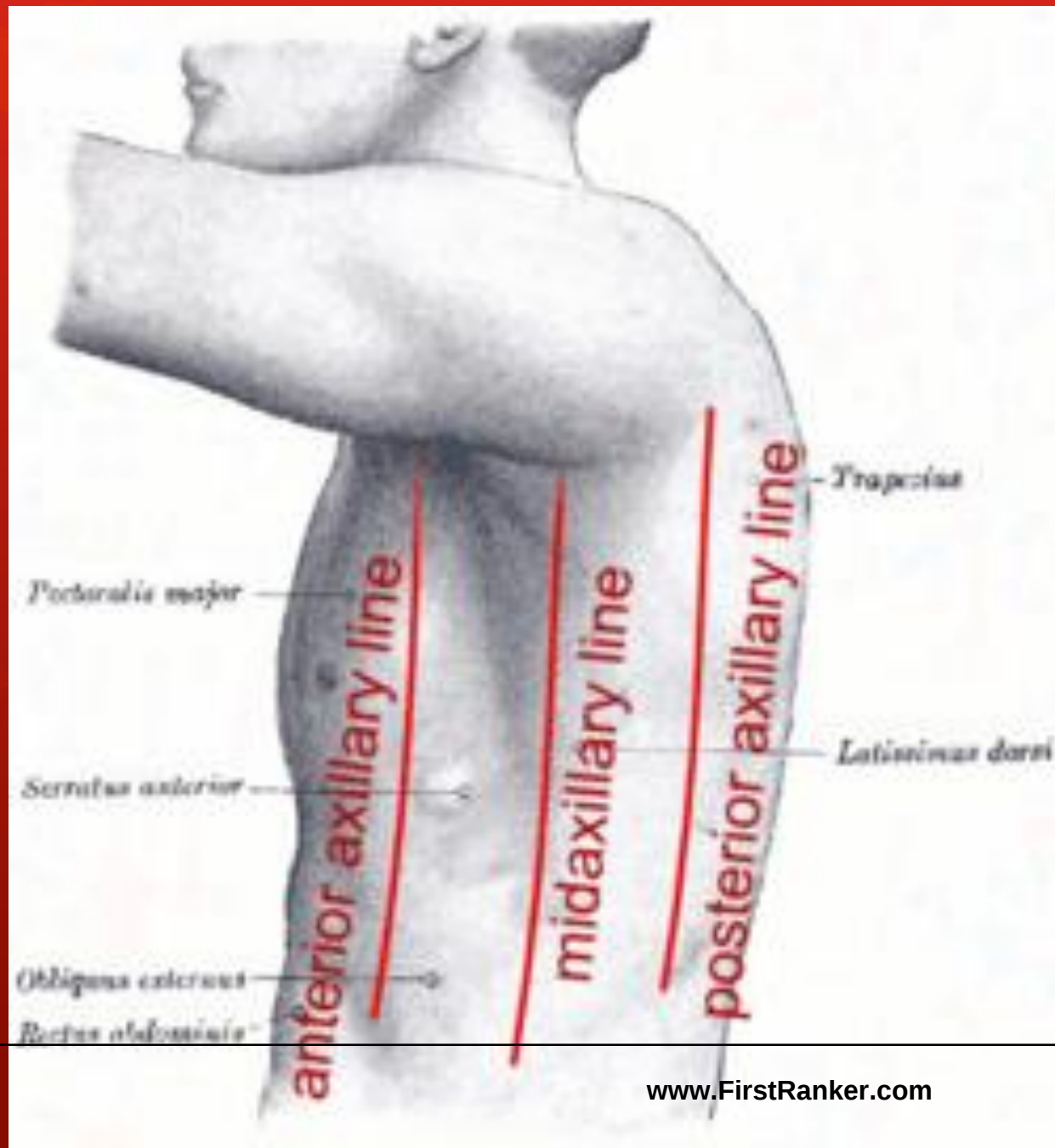
INTRODUCTION

- **Mammary Glands exist in both sexes.**
- **Rudimentary in males throughout life**
- **Start developing at puberty**
- **Most of the development occurs during later months of pregnancy and lactation**

SHAPE AND EXTENT

- **Rounded eminence lying within superficial fascia anterior to upper thorax**
- **Extends from 2nd to 6th rib and at 4th costal cartilage extends from parasternal region to midaxillary line**





AXILLARY LINES

- The **anterior axillary line** is a line on the anterior torso marked by the anterior axillary fold
- **Mid axillary line** passes vertically down the body from the apex of the axilla (armpit).
- The ***posterior axillary line*** is a line on the posterior torso marked by the posterior axillary fold

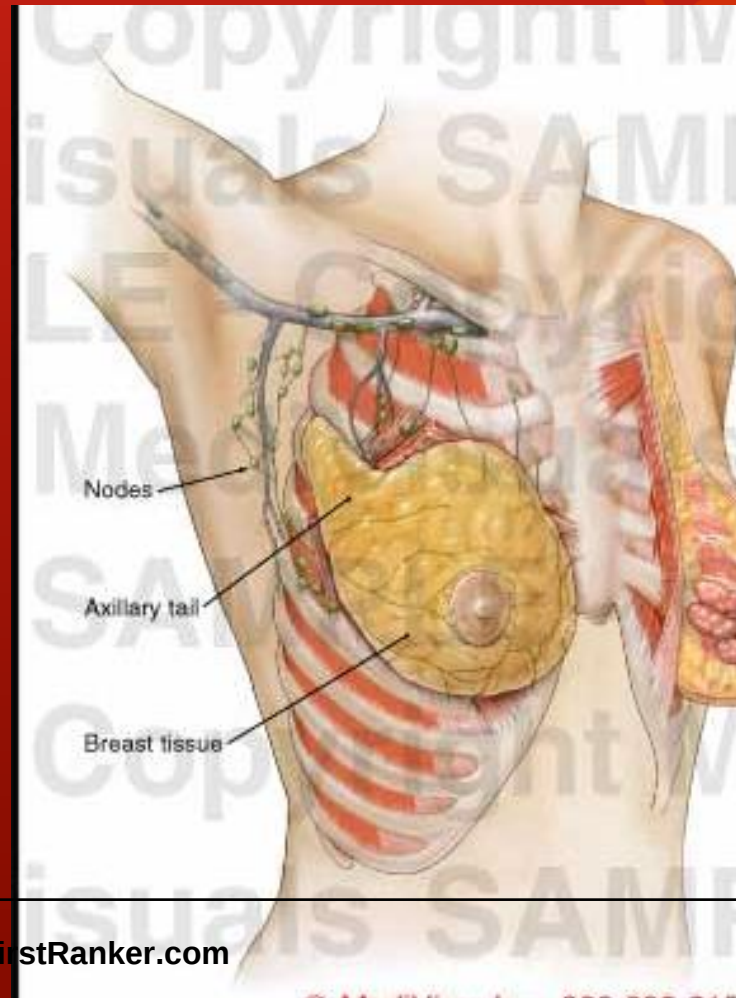
QUADRANTS

It is divided into four quadrants

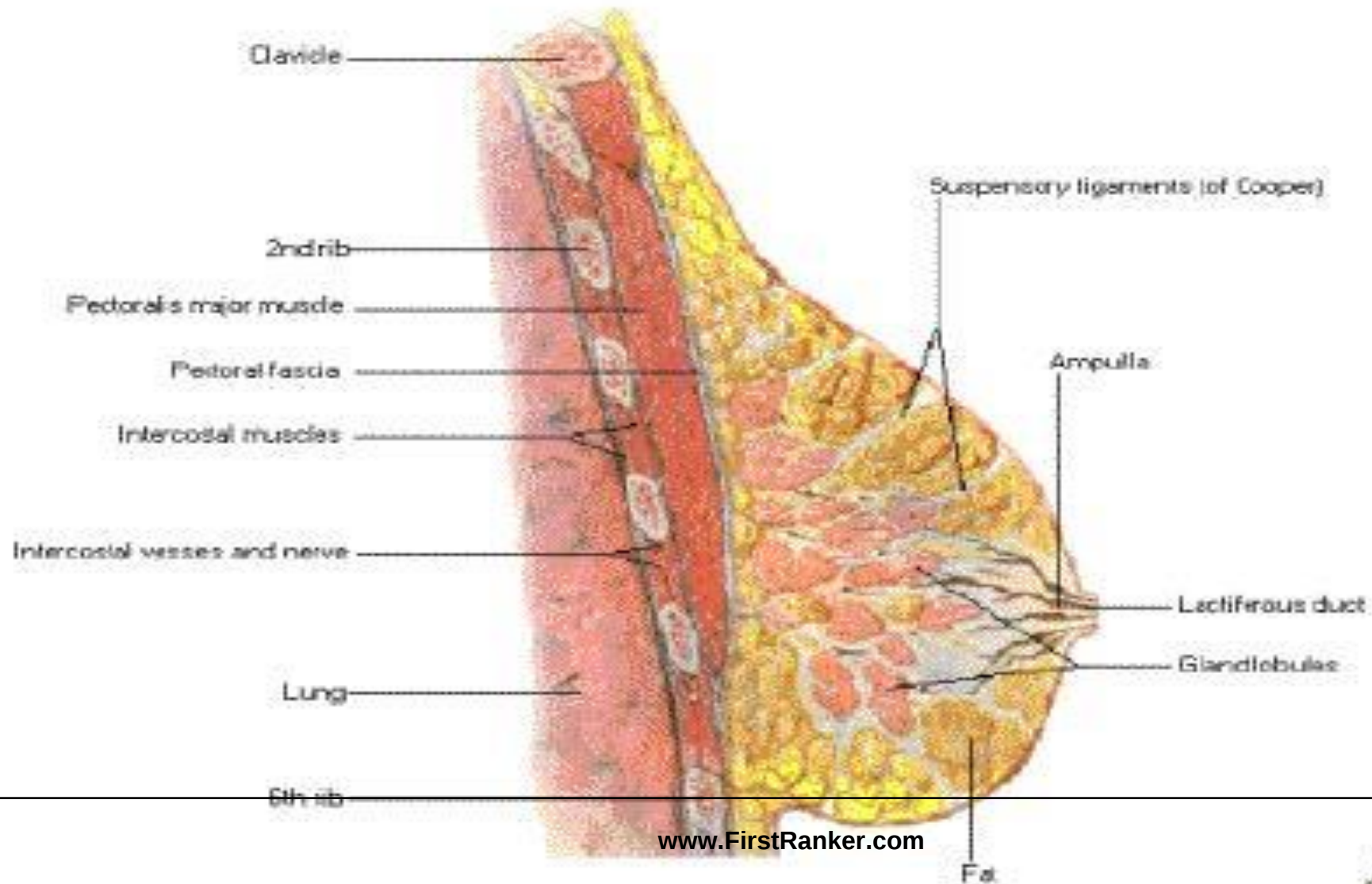
- Supero lateral
- Supero medial
- Infro lateral
- Infro medial

AXILLARY TAIL

- It is the small part of the gland which extends upward and laterally, pierces deep fascia at the lower border of the pectoralis major muscle and enters the axilla.

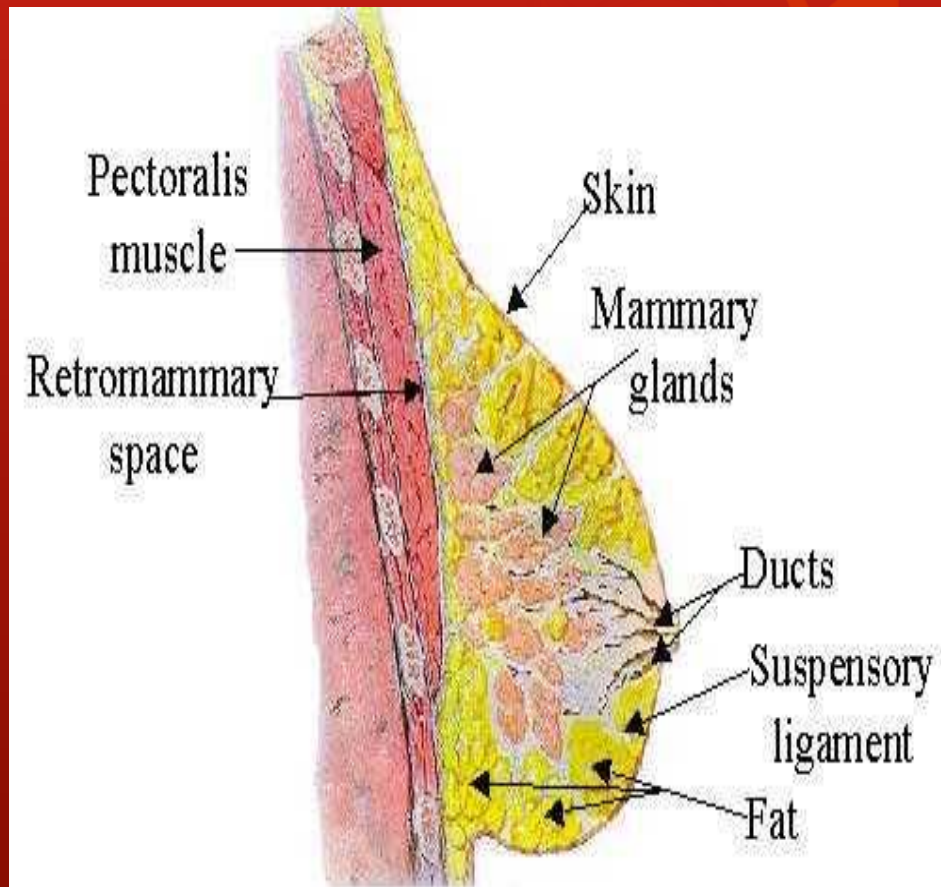


Mammary Gland Sagittal Section



STRUCTURE

- Consist of 15-20 lobes
- Lobes are separated fibrous septa which extend from skin to deep fascia known as suspensory ligaments



ARTERIAL SUPPLY

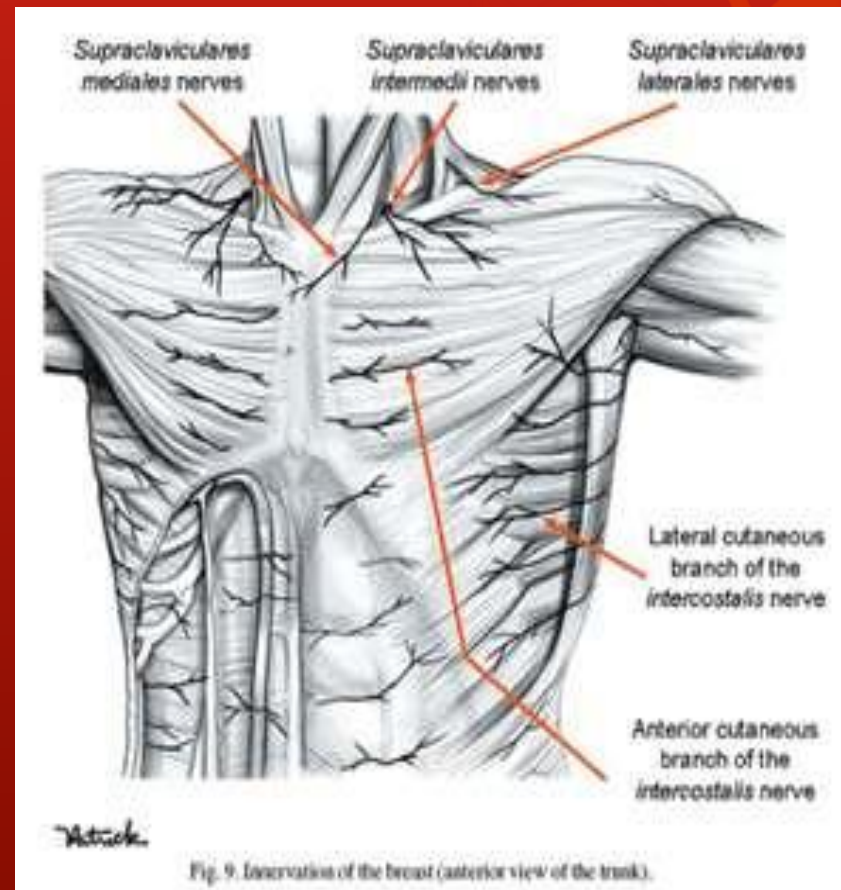
- Lateral thoracic
- Thoraco acromial
- Internal thoracic....subclavian
- Posterior intercostal...thoracic aorta

VENOUS DRAINAGE

- **Superficial veins drain into internal thoracic veins**
- **Deep veins drain into axillary and posterior intercostal veins**

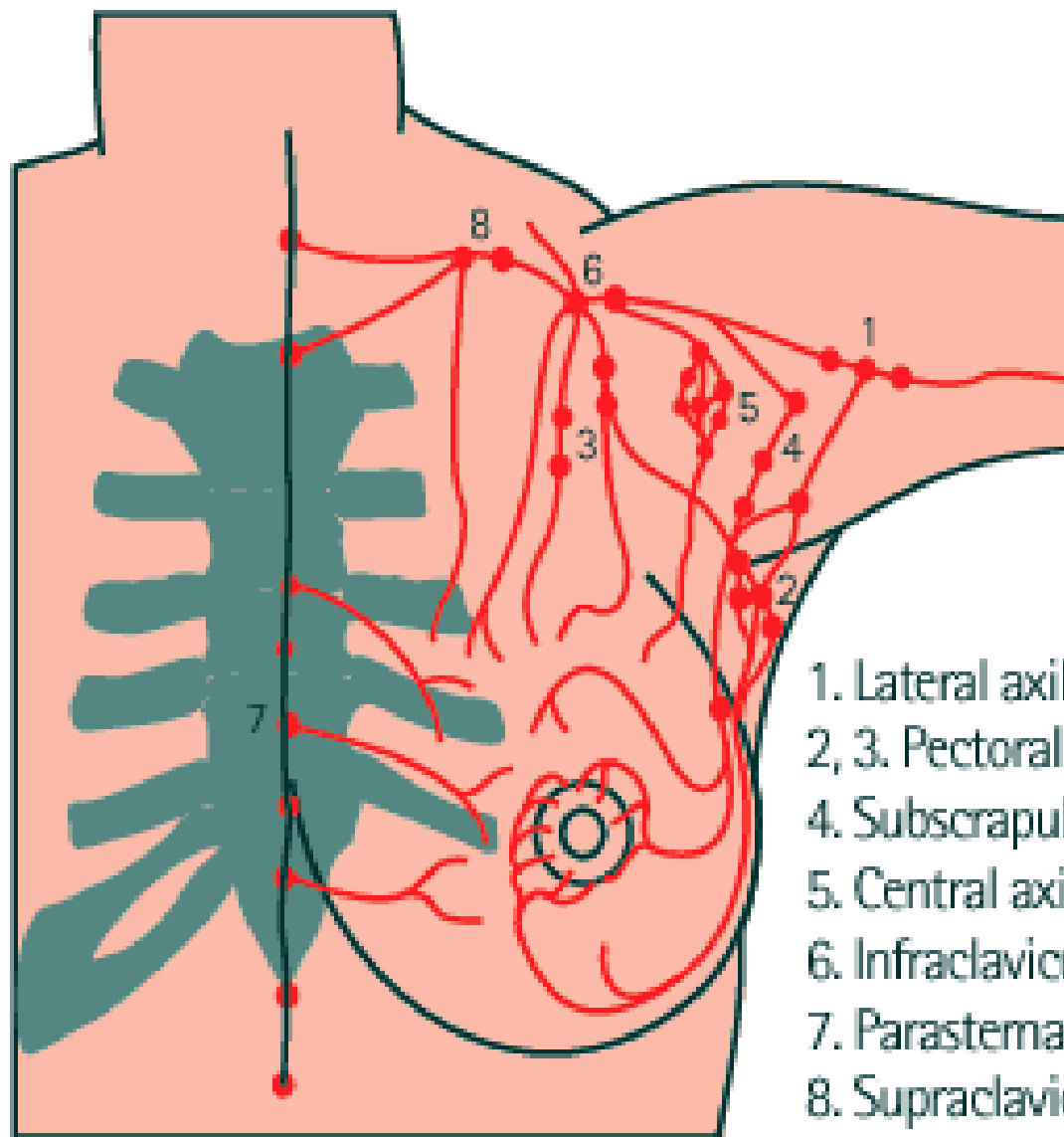
NERVE SUPPLY

- Anterior and lateral cutaneous branches of 4th -6th intercostal nerves

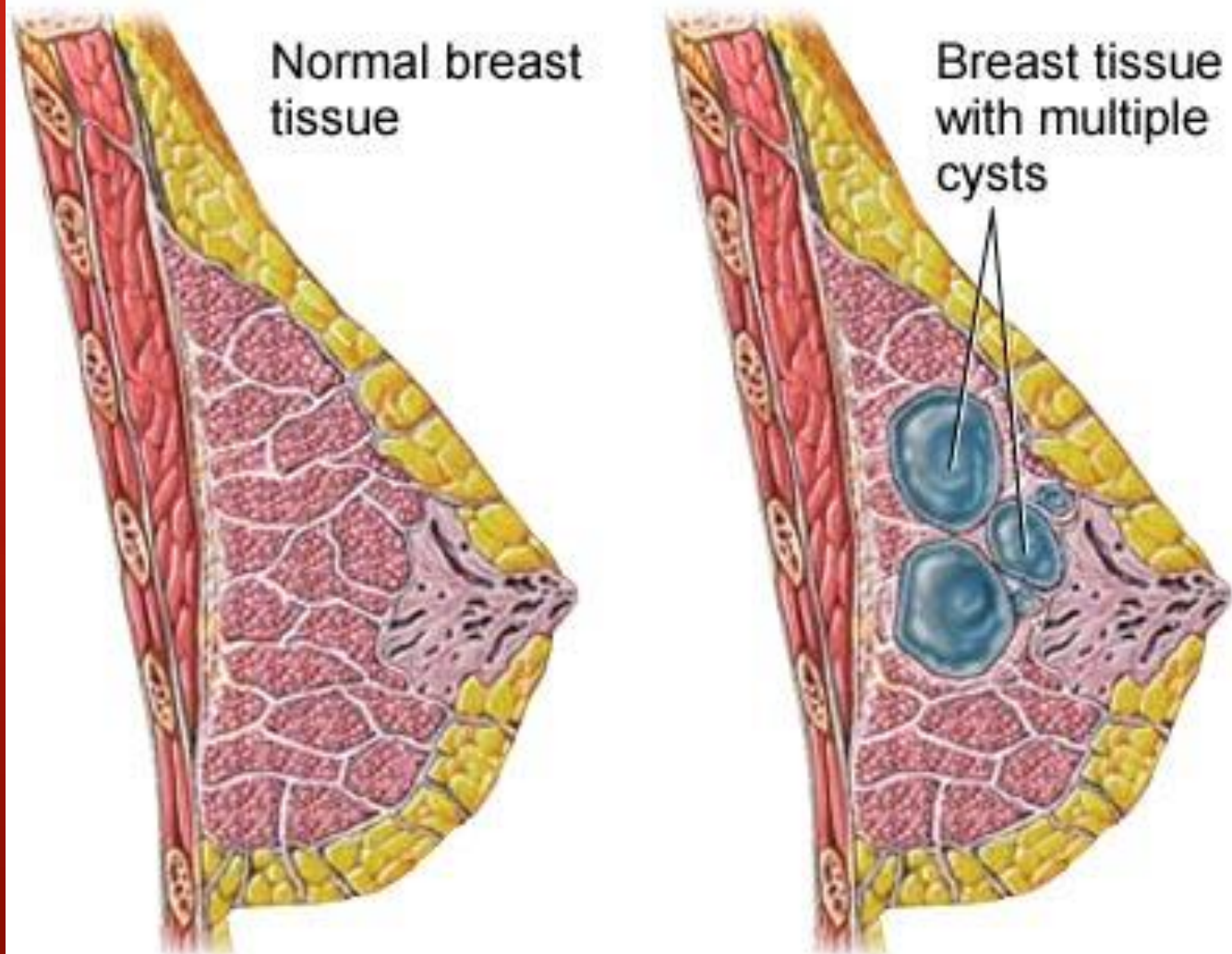


LYMPHATIC DRAINAGE

- Subareolar lymphatic plexus
- Lateral quadrant.....anterior
or pectoral.....axillary
- Medial
quadrant.....parasternal.....
.....internal thoracic



1. Lateral axillary nodes
- 2, 3. Pectoral nodes
4. Subscapular nodes
5. Central axillary nodes
6. Infraclavicular nodes
7. Parasternal nodes
8. Supraclavicular nodes



THANKYOU