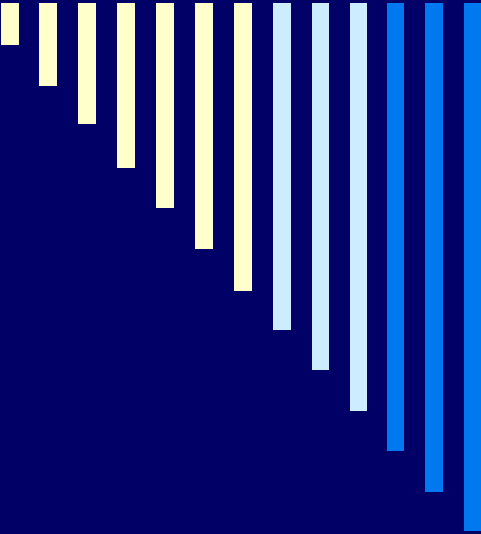



Modified Radical Mastectomy

Dr Abhay Khadke



Persistent



॥वसुधैव कुटुम्बकम्॥

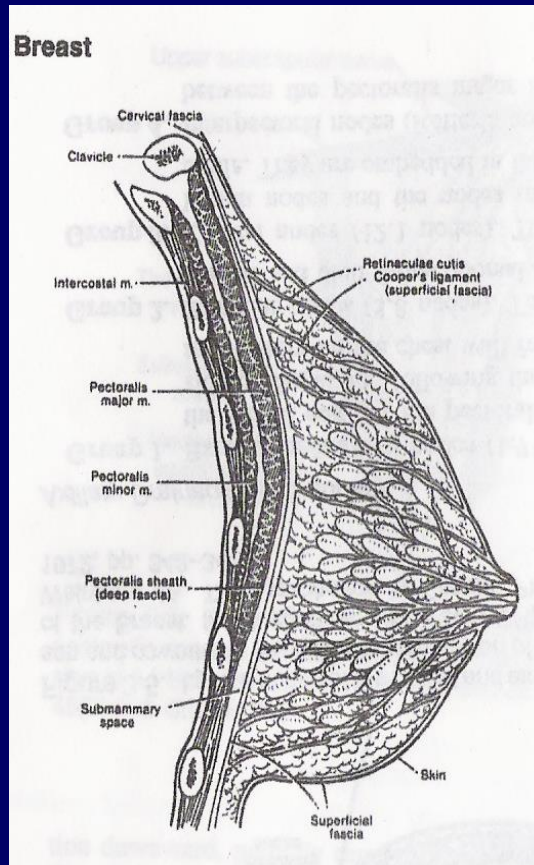
Prof Dr. Arun Jamkar,
M.S. Ph.D. (Surgical Oncology),
FICS, FIAGES, FMAS, FAMS FAIMER fellow
Former Vice Chancellor,
Maharashtra university of Health sciences,
Nashik

Consultant,
Persistent systems ltd, Pune

Distinguished Professor ;
Symbiosis International University,
Pune.

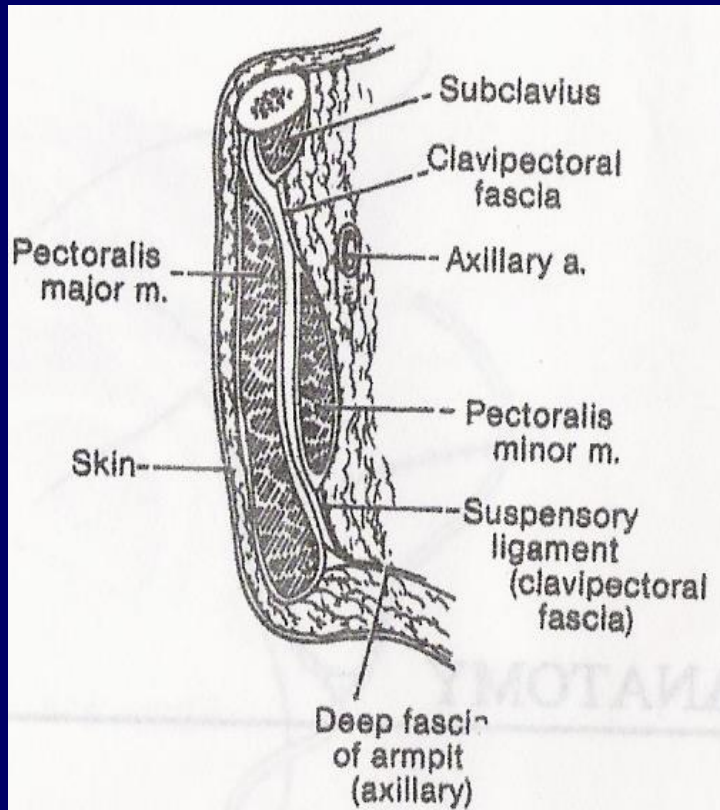
Chief Medical Officer,
Index Technology, Cupertino USA
Director Academics,
Galaxy care hospitals, Pune

General considerations

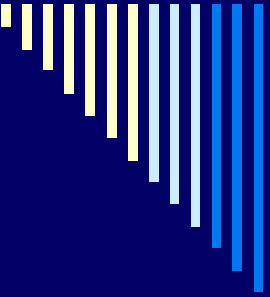


- General description of the breast
 - In superficial fascia of the anterior chest wall
 - Base of the Breast.....extent
 - Tail of Spence
 - Only breast tissue found beneath the deep fascia

Deep Fascia



- Deep pectoral fascia
- Clavipectoral fascia
 - 4 parts
- Axillary fascia
 - Continuation of pect major fascia
- Axillary sheath
 - Envelopes axillary vessels and nerve plexus.



Axilla

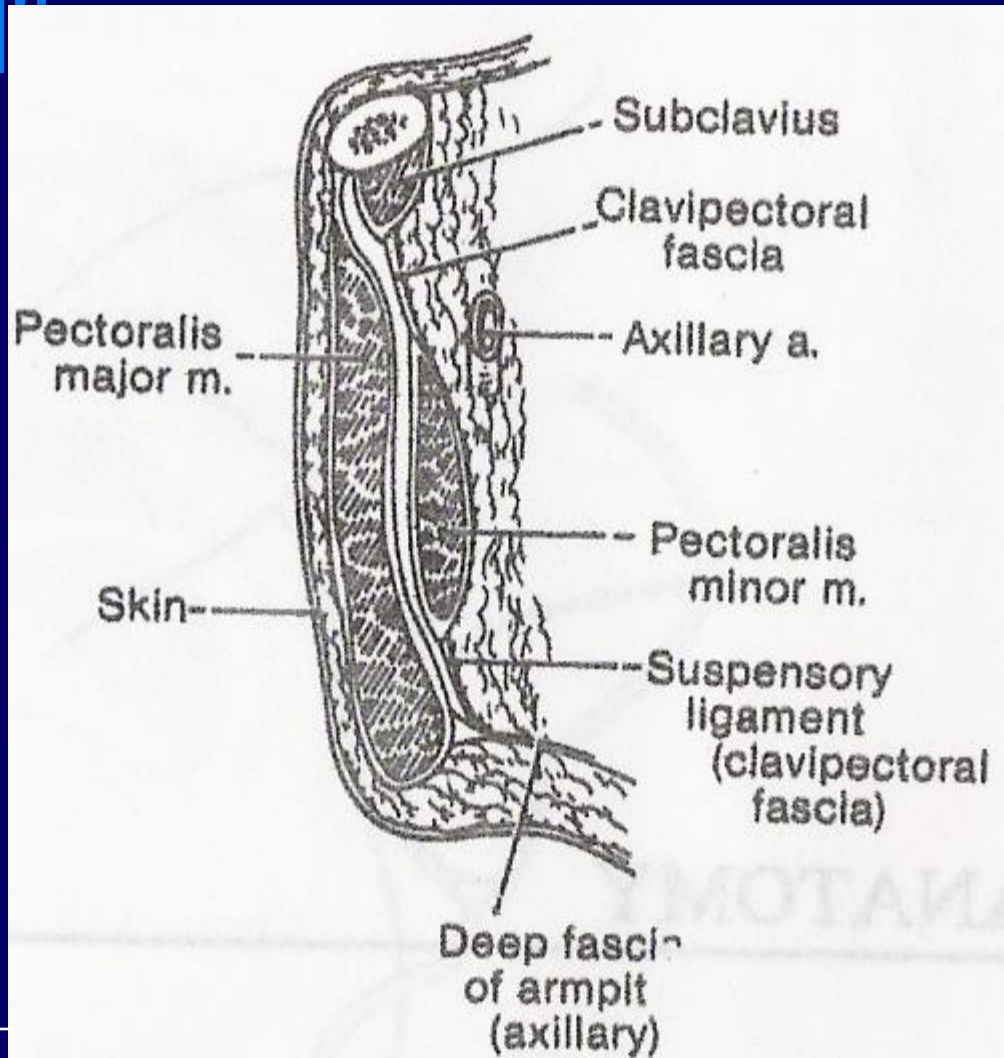
□ Apex

- Jⁿ of clavicle, upper border of scapula and 1st rib.

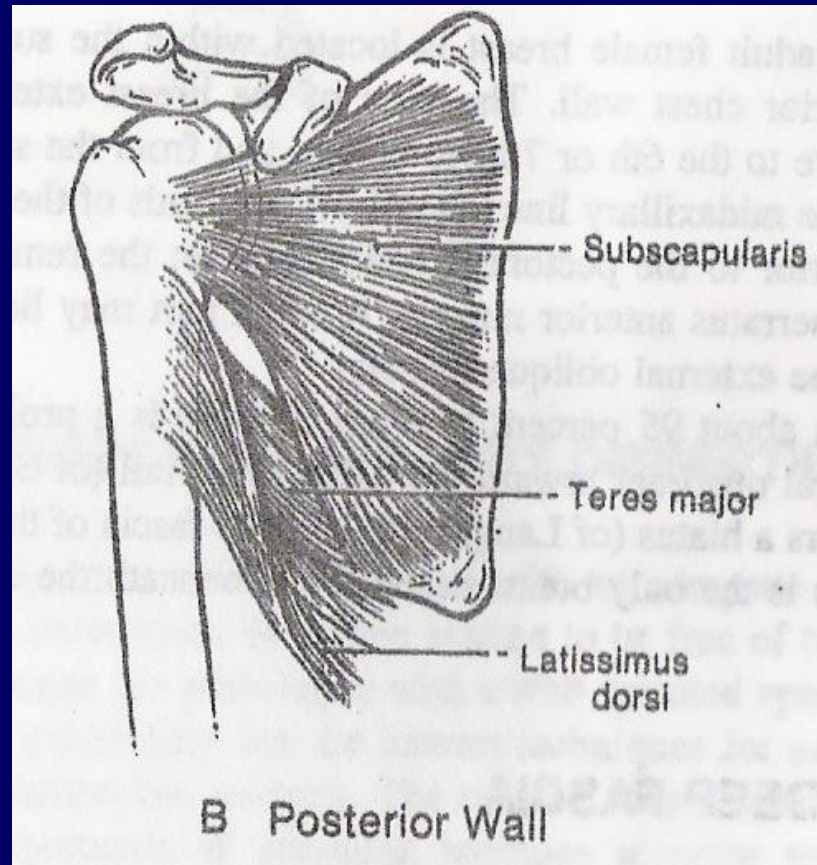
□ Base

- Axillary fascia beneath the skin of the axillary fossa.

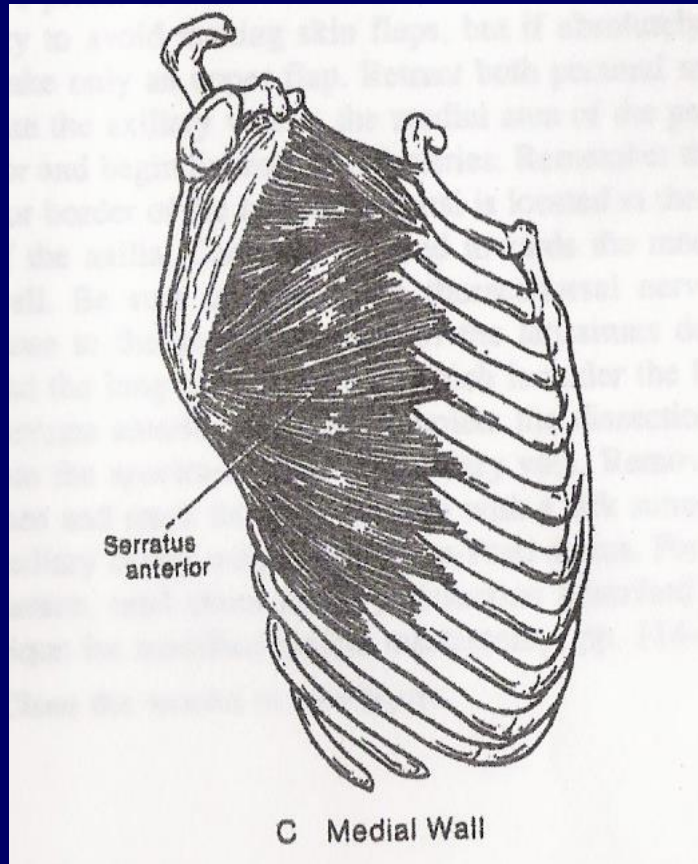
Axilla.... Anterior wall



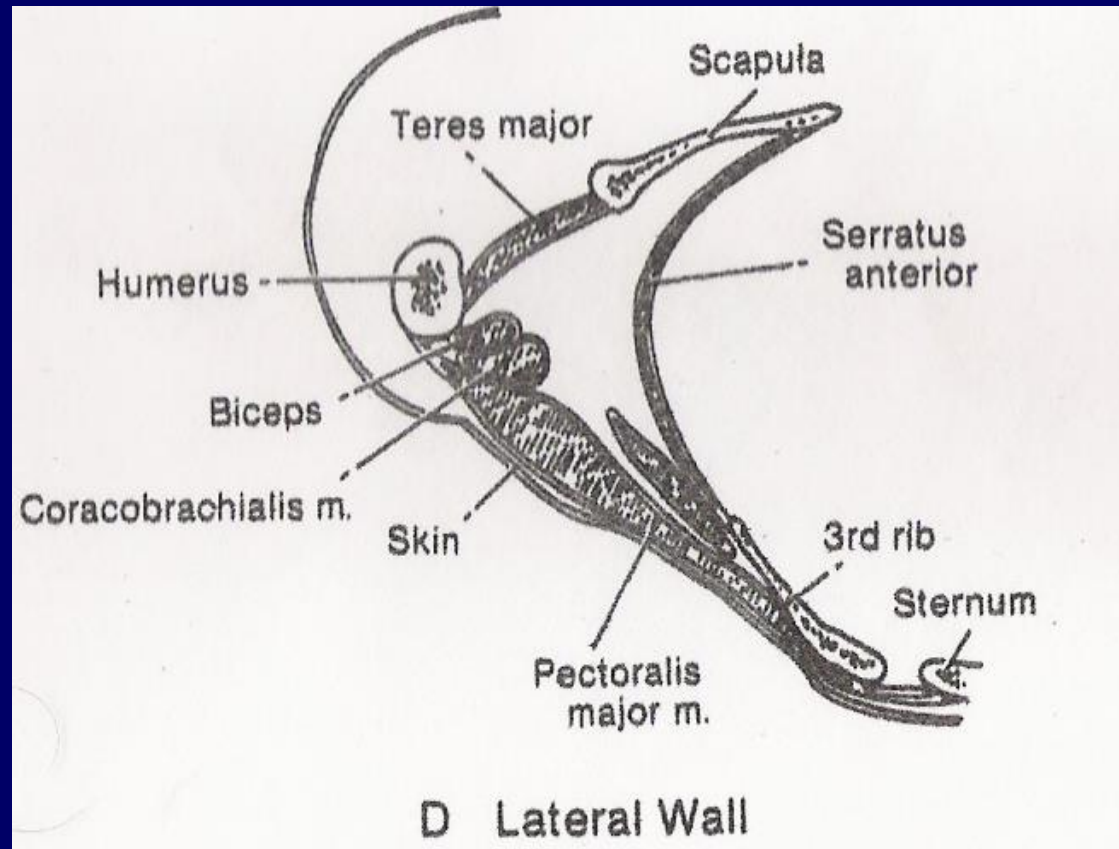
Axilla posterior wall



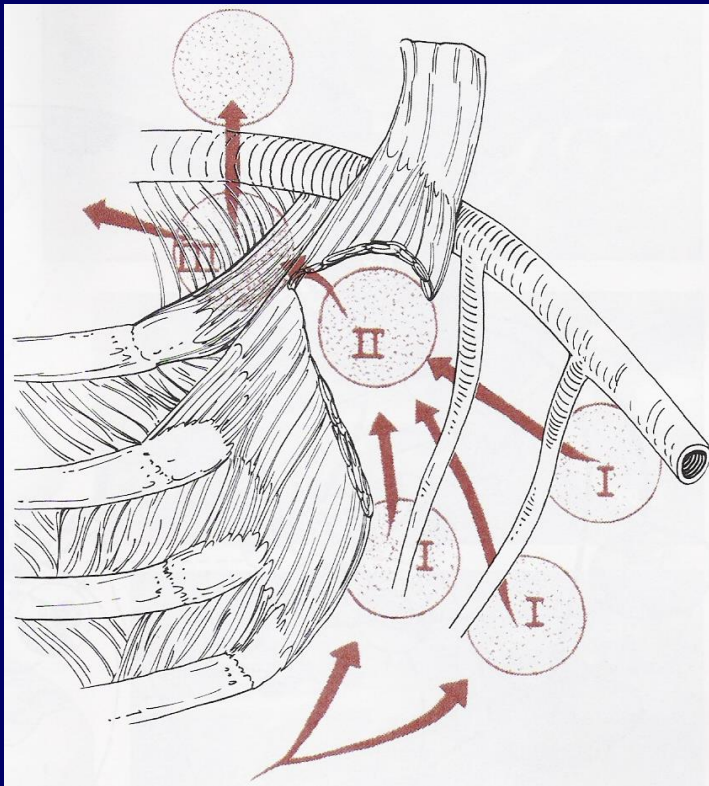
Axilla medial wall



Axilla lateral wall



Axillary lymph node levels



□ Level I

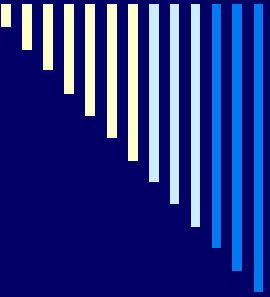
- Anterior lat thoracic vessels
- Lateral axillary vein
- Posterior subscapular vessels

□ Level II

- Central

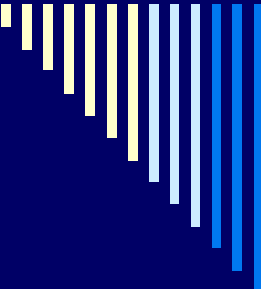
□ Level III

- Apical



Modified radical mastectomy

- *Includes a total mastectomy and removal of the axillary lymphatics with preservation of the pectoralis major muscle.*
-

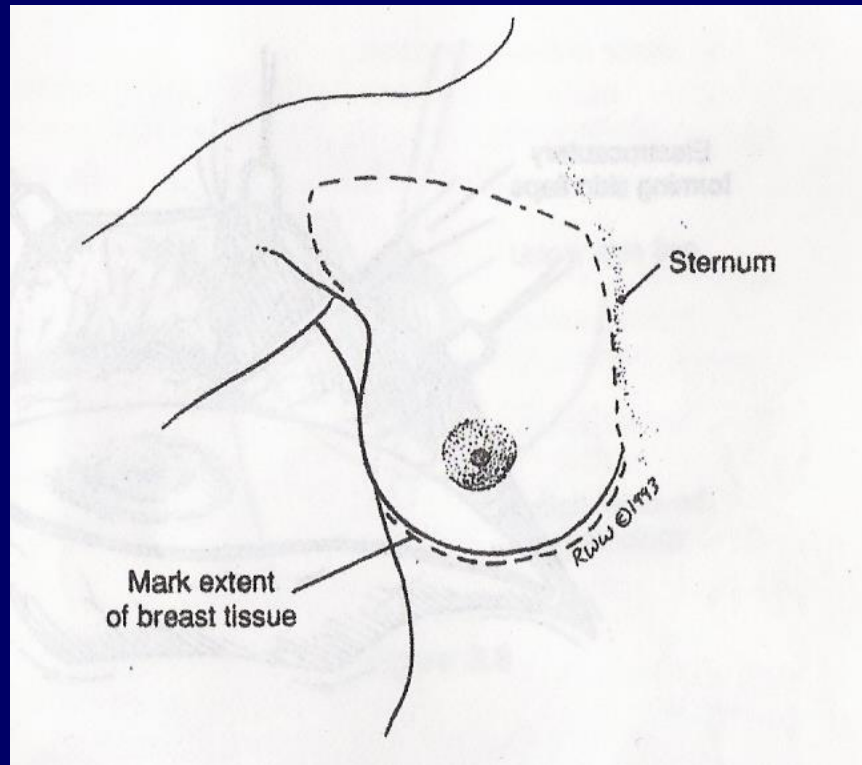


Definitions..

	Breast Tissue	Nipple-Areola Complex	Skin	Level I nodes	Level II nodes	Level III nodes	Pect. major muscle
Simple	✓	✓	✓				
Extended simple	✓	✓	✓	✓			
MRM	✓	✓	✓	✓	✓		
Radical mastectomy	✓	✓	✓	✓	✓	✓	✓

Steps of modified radical mastectomy

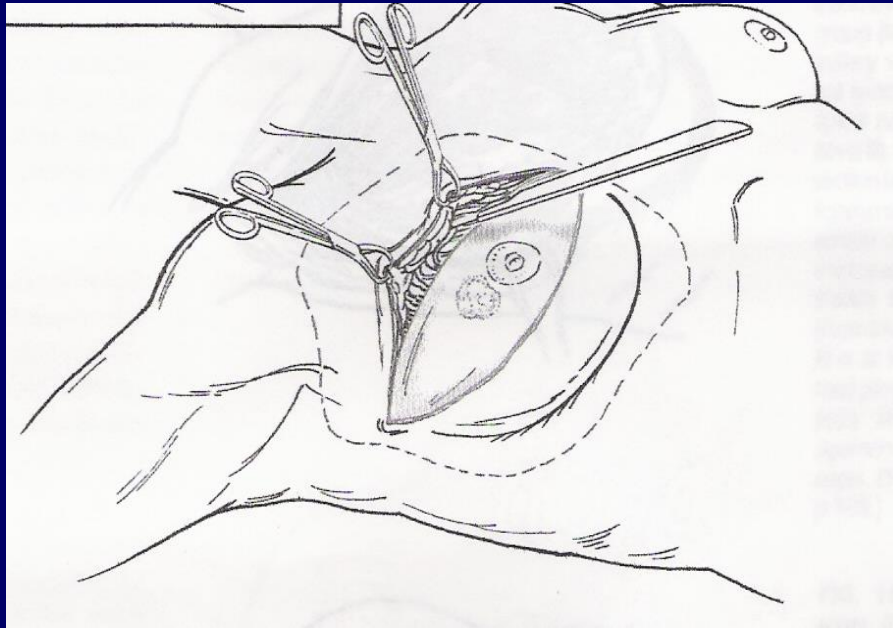
1



- Mark the contour of the breast

Steps of modified radical mastectomy

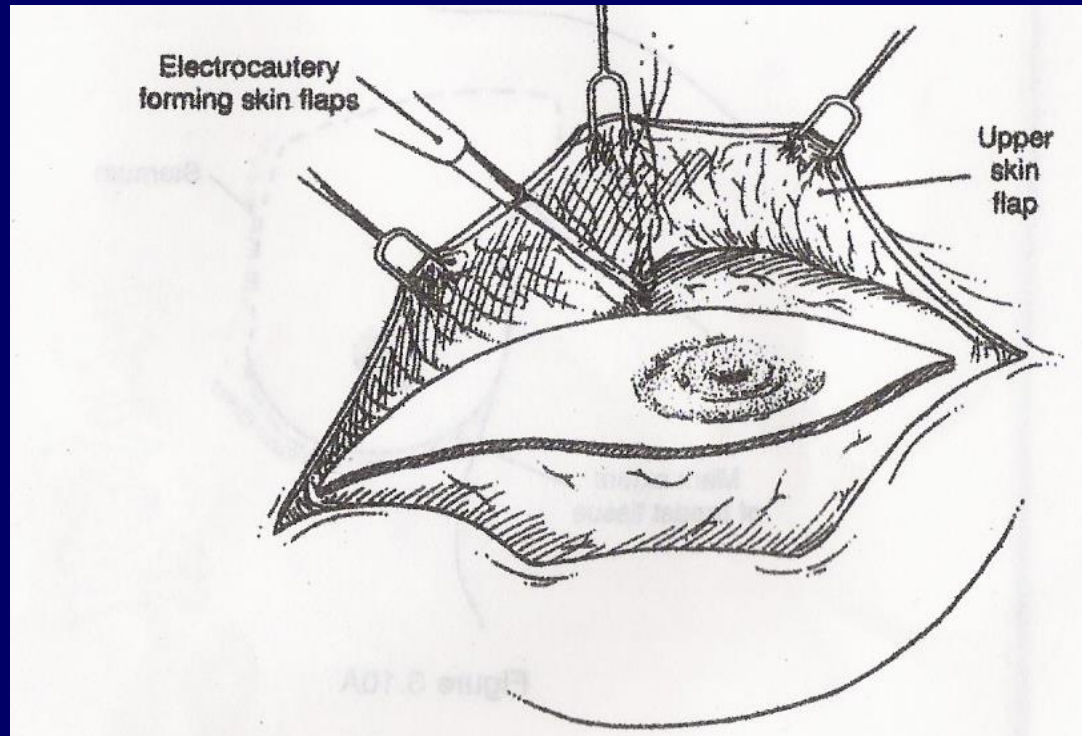
2



□ The Incision

Steps of modified radical mastectomy

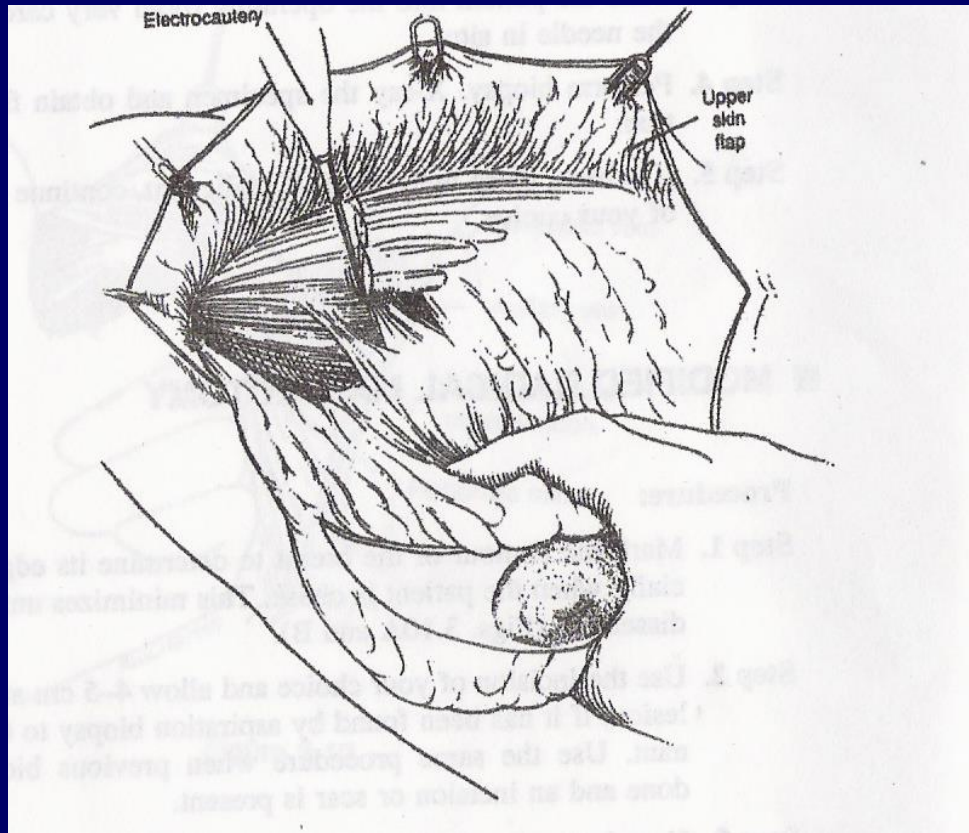
3



□ The flaps

Steps of modified radical mastectomy

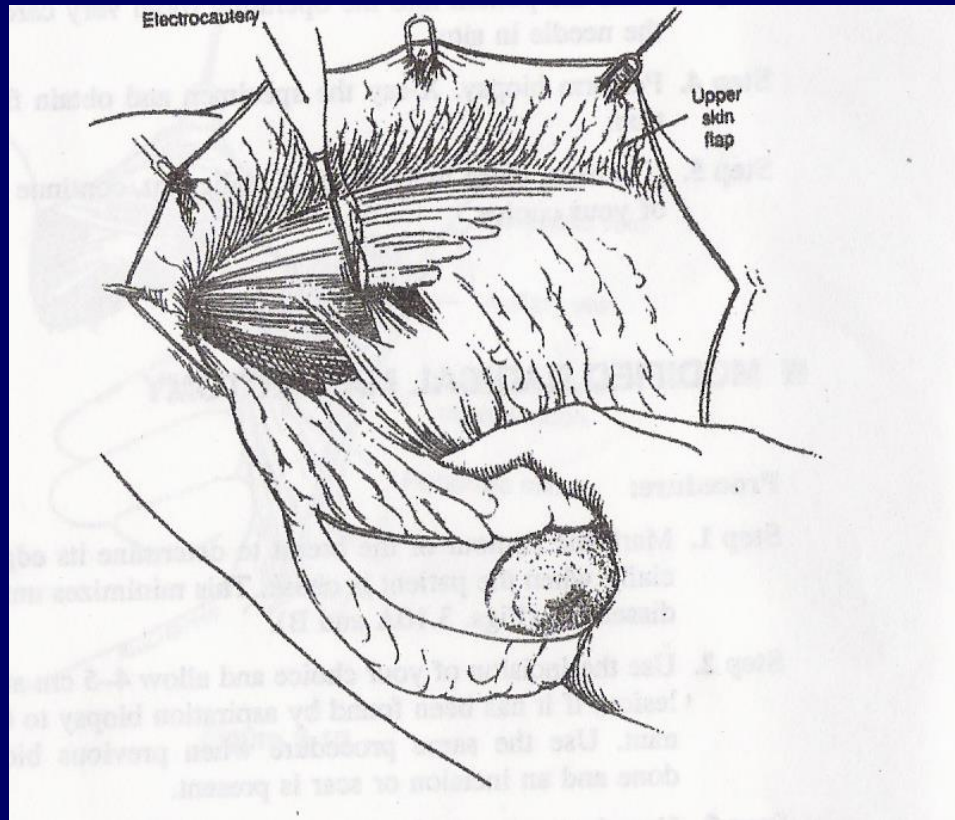
4



- Dissection of the breast tissue

Steps of modified radical mastectomy

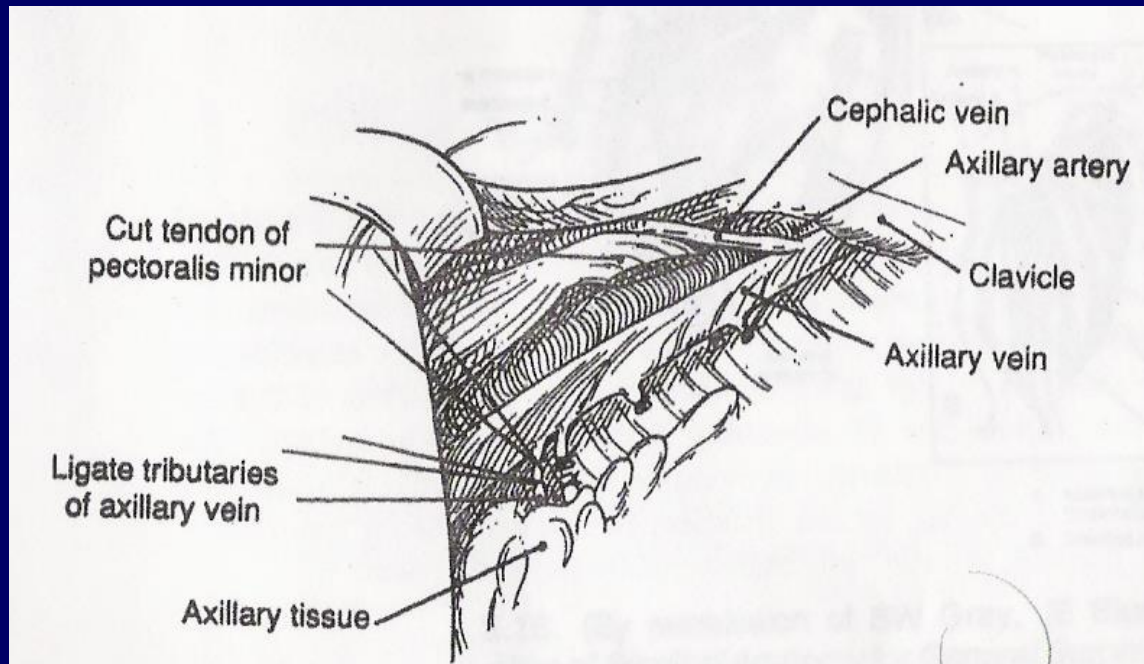
5.....Axillary Dissection



- Clavipectoral fascia
- +/- pect minor

Steps of modified radical mastectomy

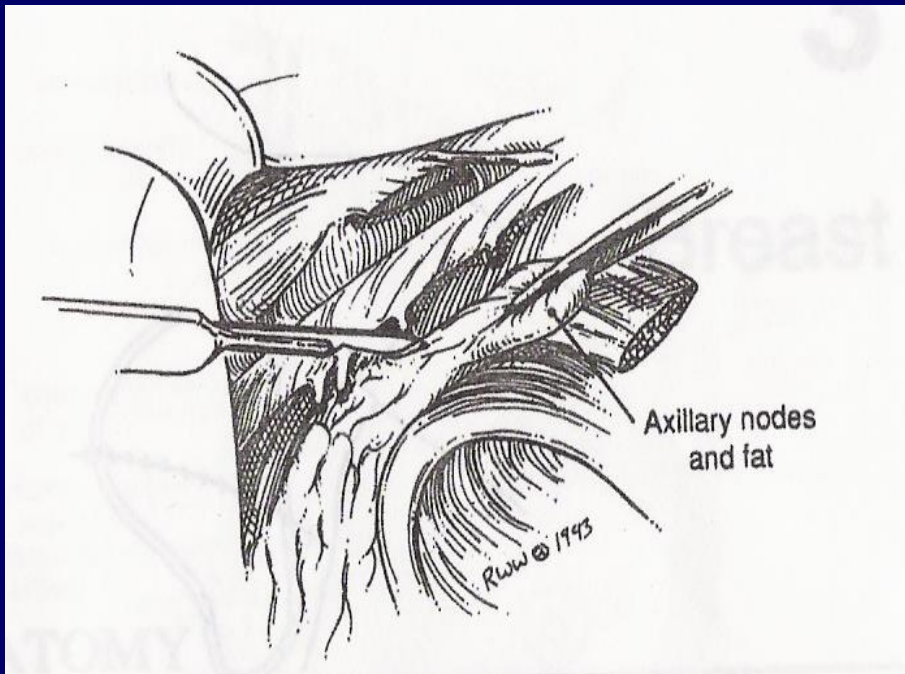
6.....Axillary Dissection



- The axillary vein

Steps of modified radical mastectomy

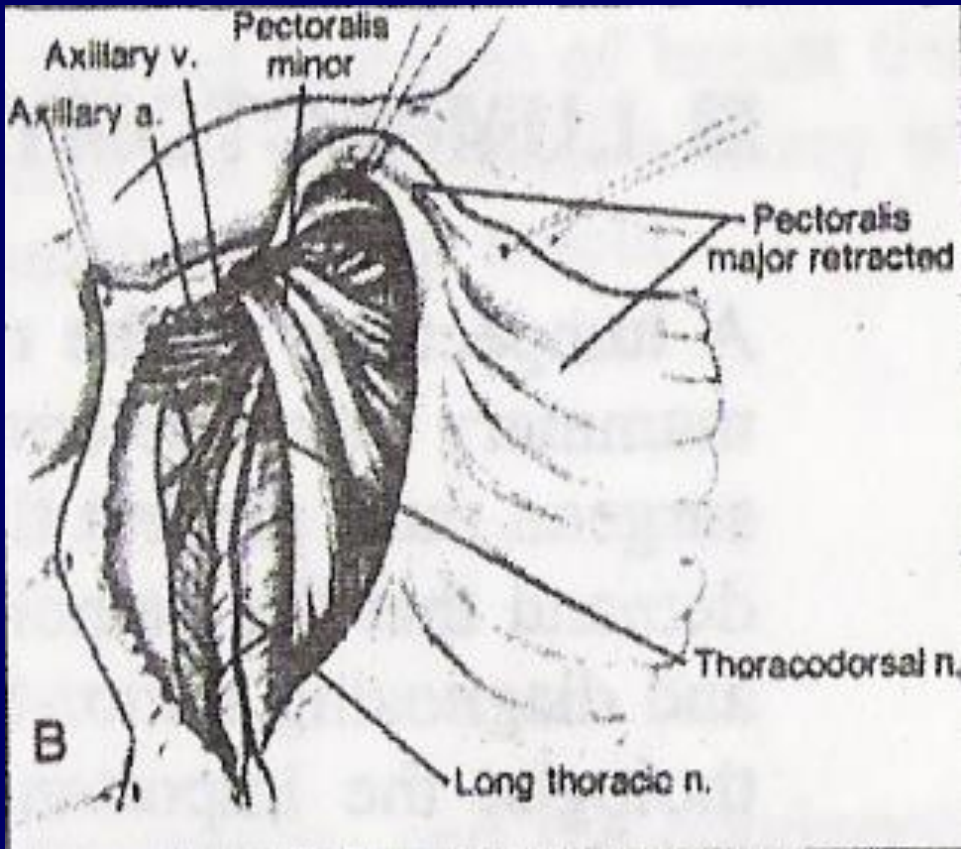
7.....Axillary Dissection



- Evacuate the axillary contents of fat, lymphatics and lymph nodes, pushing them towards the breast in continuity

Steps of modified radical mastectomy

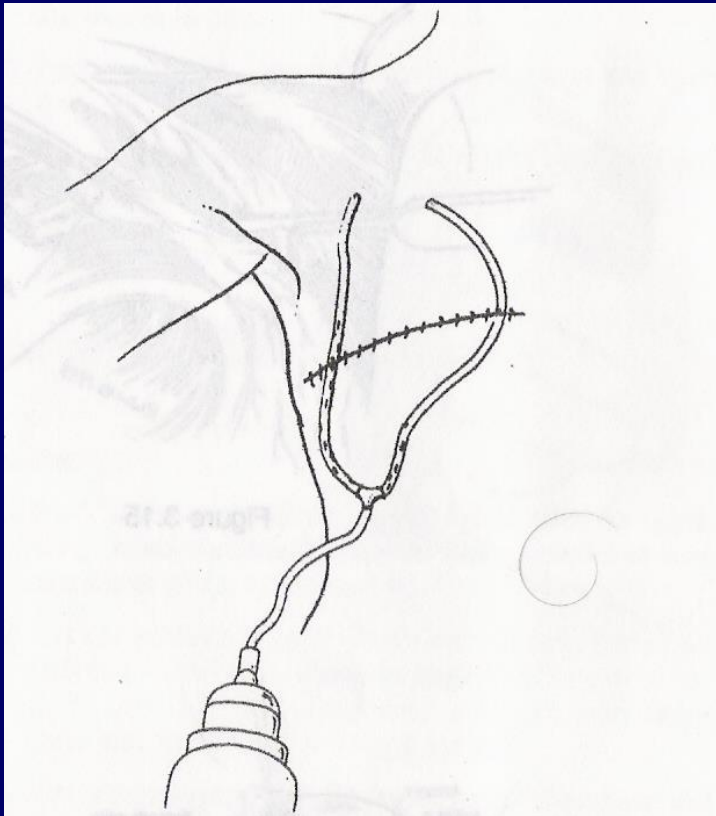
8.....**PRESERVE THE NERVES**



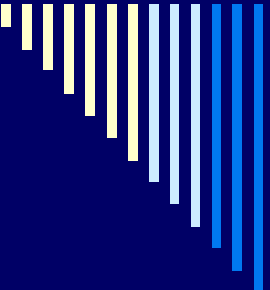
- *Long thoracic*
- *Thoracodorsal*
- *Anterior thoracic (medial and lateral)*
- *Subscapular*

Steps of modified radical mastectomy

9



□ THE DRAIN



Steps of modified radical mastectomy

10

- ***Close the incision in two layers***
 - ***Subcutaneous***
 - ***skin***