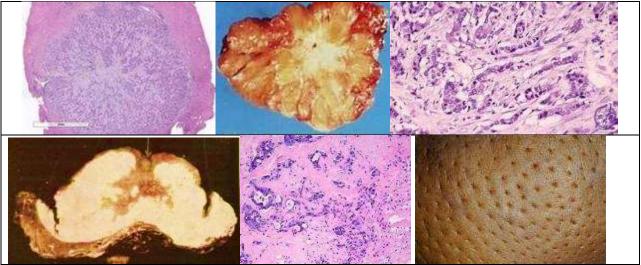
# 480 XXII. Diseases of the Breast

- Clinically, the patient may, by chance, notice a **painless freely-movable lump which is somewhat limited and which may be mistaken for a cyst or nodular mass** (inflammatory or neoplastic).
- *Pathological examination can establish the correct diagnosis at an early time* (*biopsy; needle -aspiration; freezing method*).
- Carcinoma of the breast usually occurs at (or after) menopause.
- Lesions in the upper outer quadrant of the breast have a somewhat better prognosis than those in the central region or in the inner quadrants.
- Carcinoma arising *in the older age groups tends to be more slowly-growing than premenopausal women.*

Carcinoma	ı (scirrhous)		
Breast:	• Is that of an	adult female	
	Slightly enl	arged	
	Cut surface:	• Is shrunken	
		• Flattened	
		Shows a tumour	
	Overlying skin:	• Depressed	
		• Thickened	
		• Wrinkled	
		Corrugated (cancer en cuirasse)	
		• Some areas (except at hair-follicles) are oedematous	
	1	(peau d'orange appearance)	
	Nipple:	• Is retracted	
		Infiltrated at its base	
	The tumour:	• Lies at upper outer deep part of the breast	
		• Is relatively-small in size	
		• Rounded or slightly ovoid (in general)	
		Shows ill-defined margins	
		• Has infiltrated the breast-tissue (malignancy)	
		• With radiating processes of whitish fibrous tissue strands	
		• In parts is greyish with:	
		• White streaks (fibrous tissue):	
		Yellowish-chalky area (necrosis)	
	Consistence:	Very firm-to-hard	
Lymph nodes	s ( <b>regional</b> ):	• Enlarged Infiltrated by the same type of tumour-tissue	



#### **N.B.:**

While cutting through the tumour-tissue, a gritty sensation was felt like an unripe pear), and the cut surface appeared concave.

## The spread of carcinoma of the breast:

## I. Local:

- 1. Infiltration: Early but slow infiltration of the tissue-spaces between the fat and the fibrous tissue.
- 2. Extension along the lymphatics.

#### II. At a distance:

## **<u>1. Lymphatics:</u>**

- (a) Embolism.
- (b) Permeation.

## The obliteration of deep lymphatics $\rightarrow$

- 1. Oedema of skin. (in cancer of breast)
- 2. Dimples.
- 3. Skin of orange "peau d'orange".
- 4. Cancer en cuirasse.
- 5. Elephantiasis-like (if a large lymphatic vessel is obstructed).



STAGE	TUMOR SIZE	LYMPH NODE STATUS	METASTASIS
Stage 1	T1 <3 cm	N0	M0
Stage 2	T2 3-5 cm	N0	M0
Stage 3	T3 >5 cm	N0	M0
Stage 4	Any	N1 (positive)	M0
Stage 5	Any	Any	M1(metastasis)

