

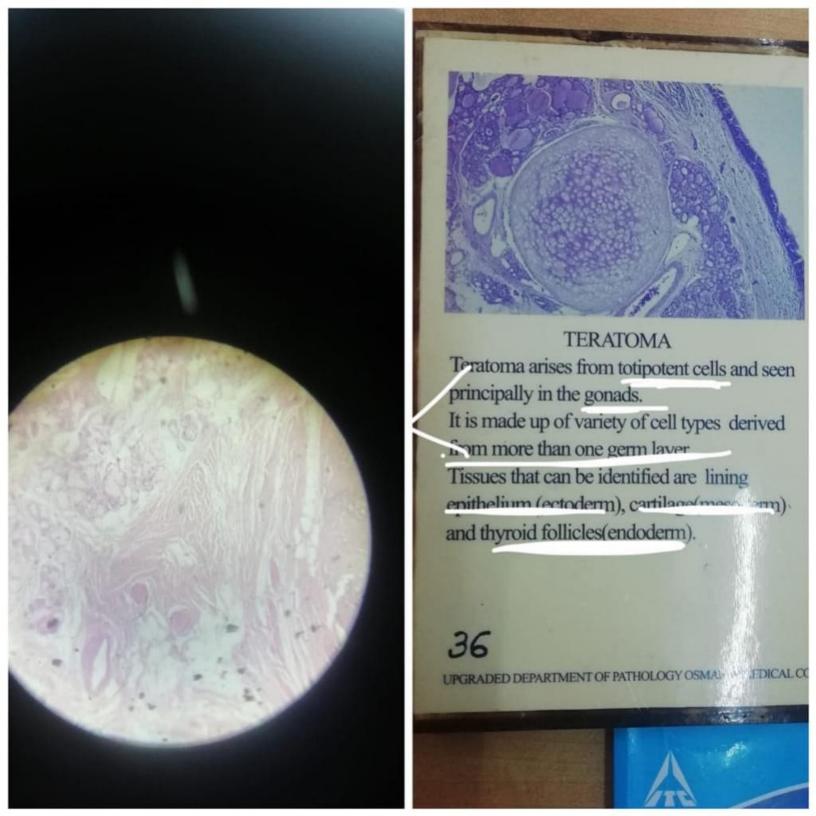
CHRONIC GLOMERULONEPHRITIS

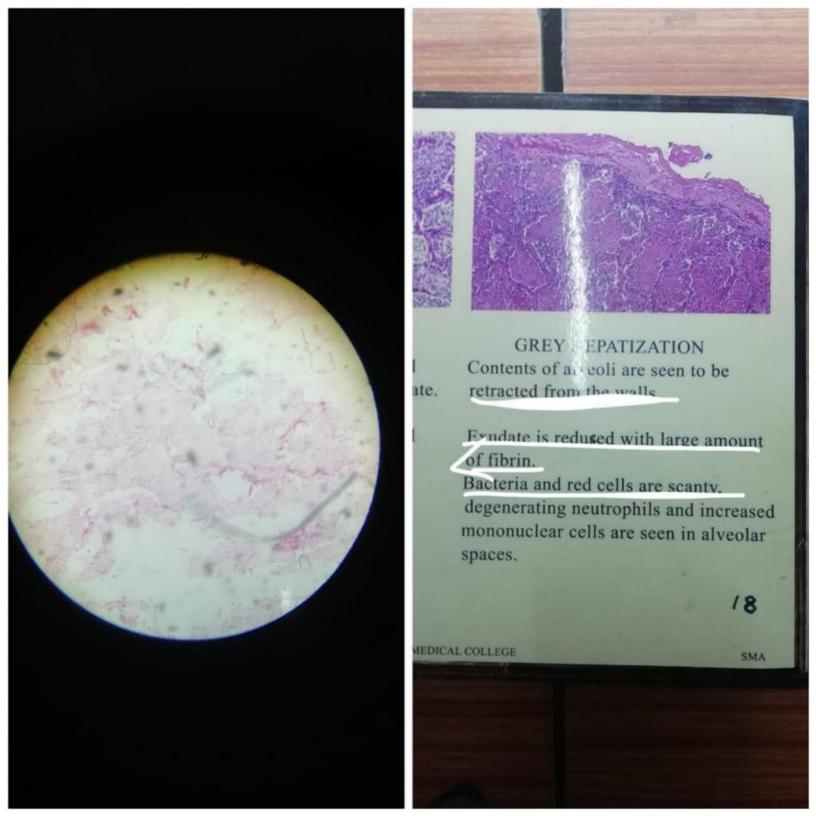
Tubules: show atrophy of tubules. tubular lumina contain eosinophilic homogenous casts.

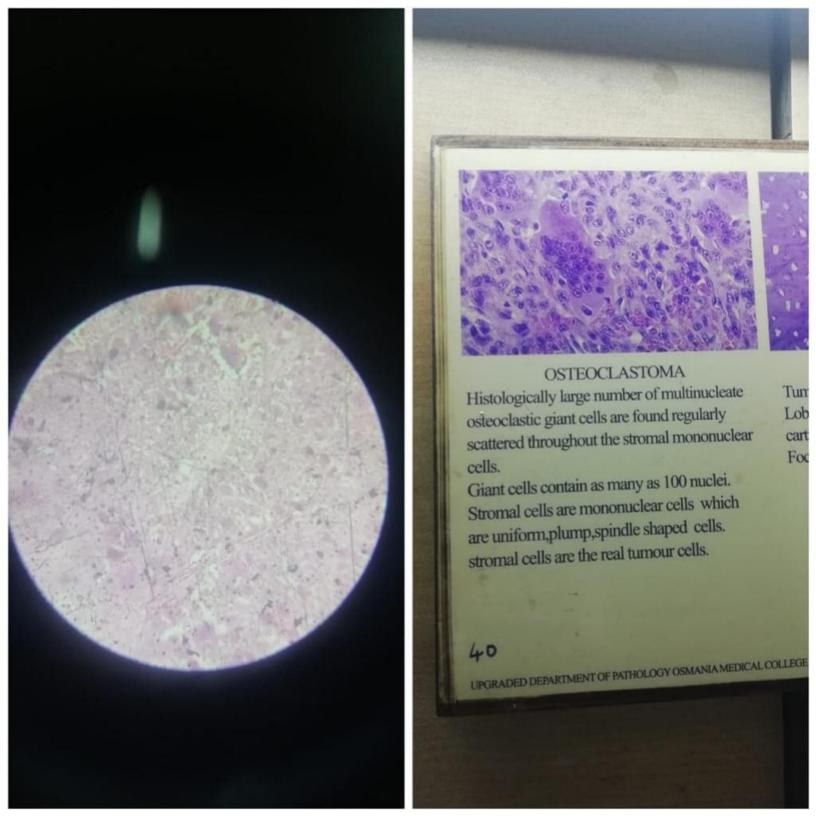
Glomeruli: Are redused in number and most of them are hyalinised, they appear as acellular eosinophilic homogenous casts. Interstitium: shows irregular fibrosis and lymphocytic infiltrate.

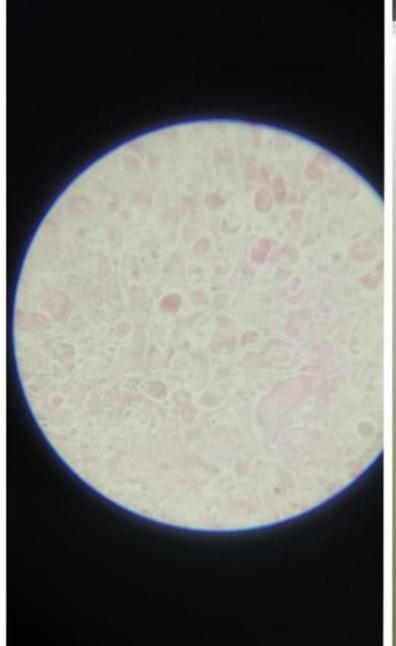
EGE

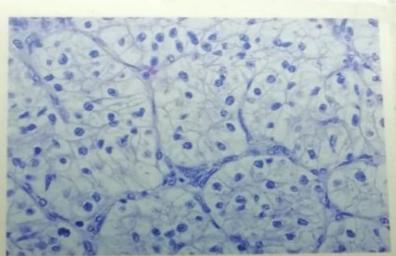
33







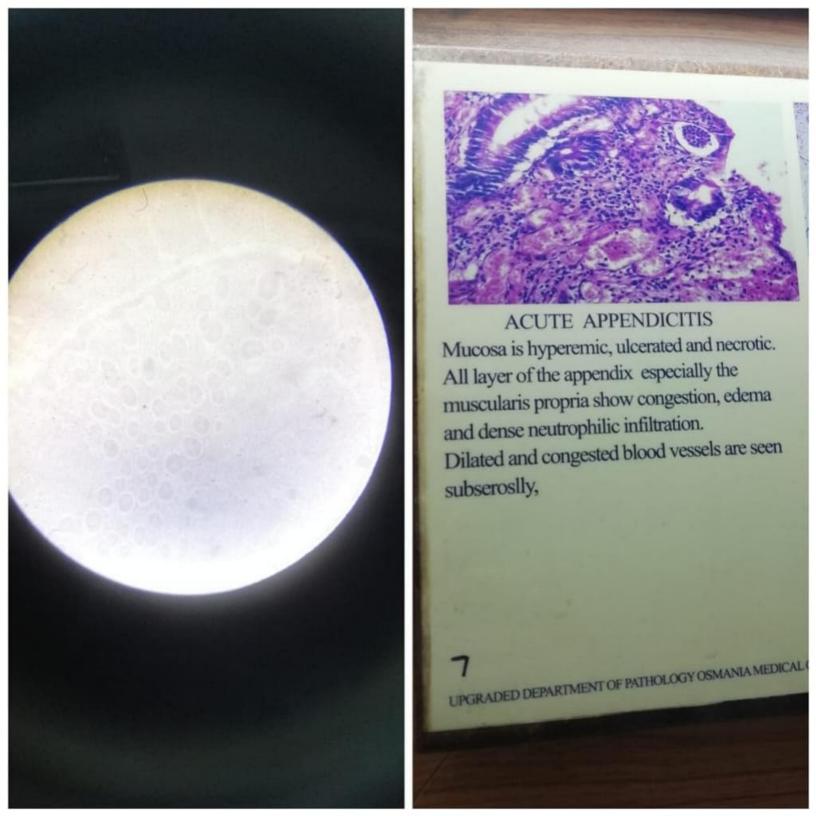


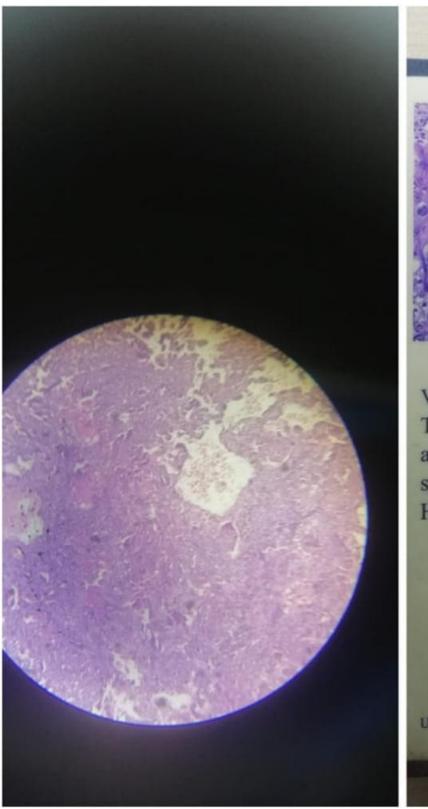


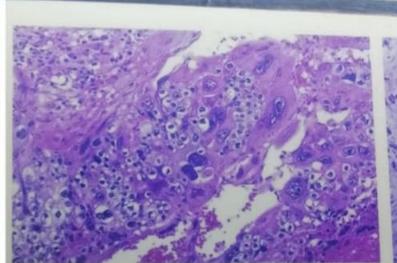
RENAL CELL CARCINOMA - KIDNEY Variety of patterns are seen in tumour like solid, acinar, trabecular, and papillary. Tumour cells may be:

Clear cells: Cells are round to polygonal with abundent clear cytoplasm rich in glycogen and lipid and having regular small pyknotic nucleus.

Granular cells: Have moderate amount of pink granular cytoplasm.







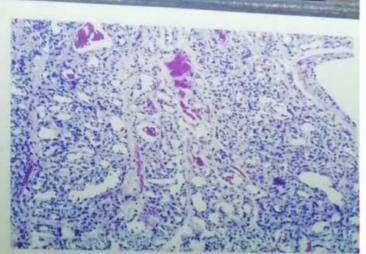
CHORIOCARCINOMA

Villi are absent.

There are masses and columns of highly anaplastic and bizarre cytotrophoblasts and syntiotrophoblasts which are intermixed. Heamorrhage and necrosis invariably present.

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DEPARTMENT OF PATHOLOGY OSMANIA MEDICAL COL

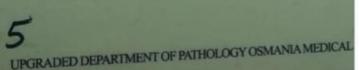


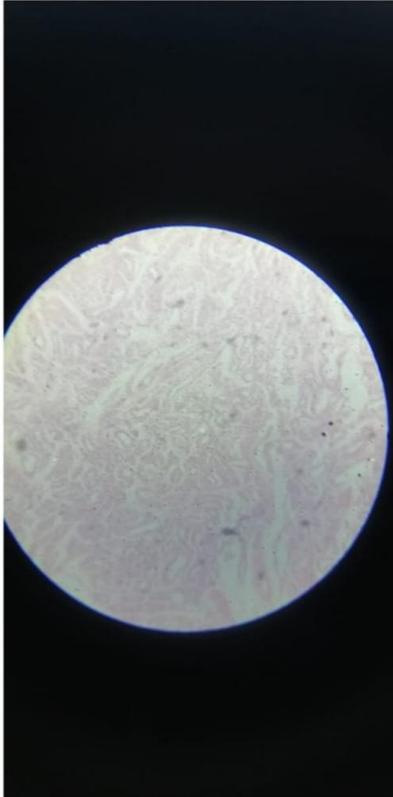
CAPILLARY HAEMANGIOMA

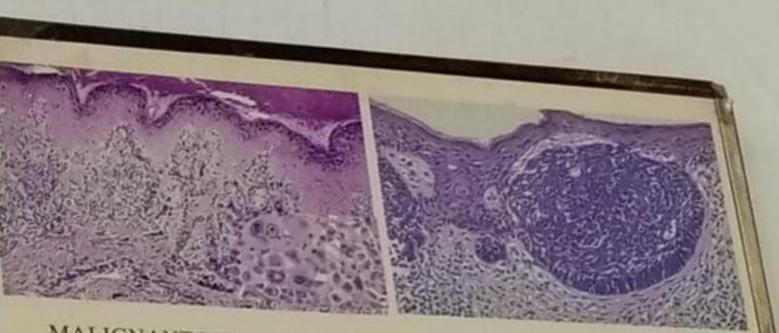
Benign neoplasm of blood vessels.

Dermis shows narrow capillary like vascular slits lined by regular or hyperchromatic endothelial cells seperated by connective tissue.

Lumen may be partially or completely thrombosed and organised.







MALIGNANT MELANOMA Shows epidermis and dermis. Dermis shows nodular aggregates of tumour cells.

Melanoma cells are larger than naevus cells, nucleus is large with irrregular contours and contains prominent eosinophilic nucleoli.

Melanin pigment is present in cells in form of uniform granules can be demonstrated by Fontana-Masson stain/DOPA reaction. 27

BASAL CELL CARCINOMA

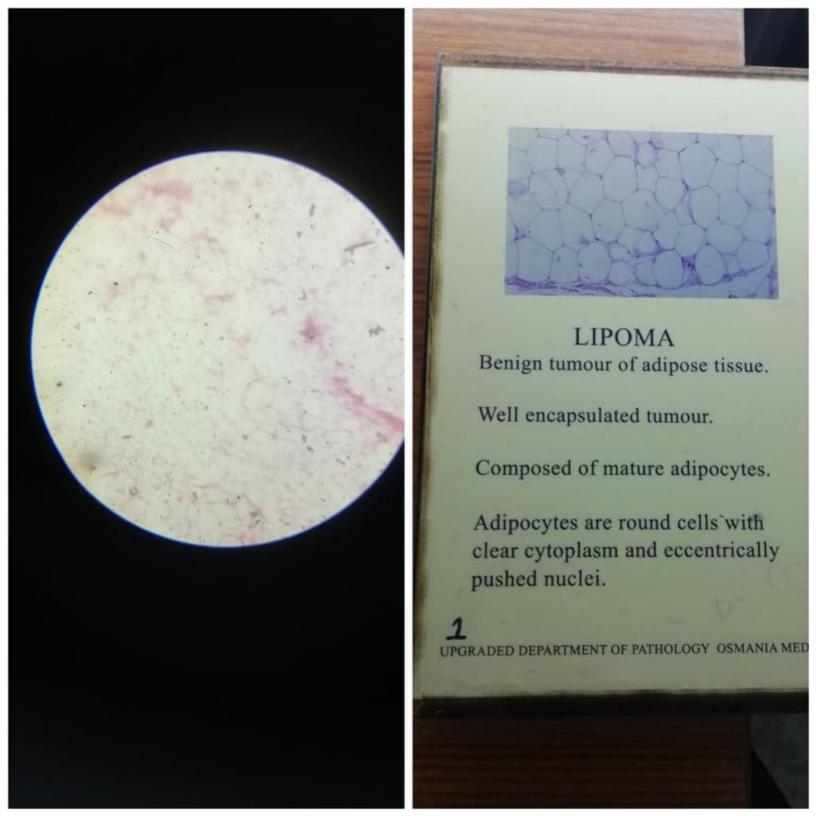
Tumour cells resemble those in normal basal cell layer of epidermis.

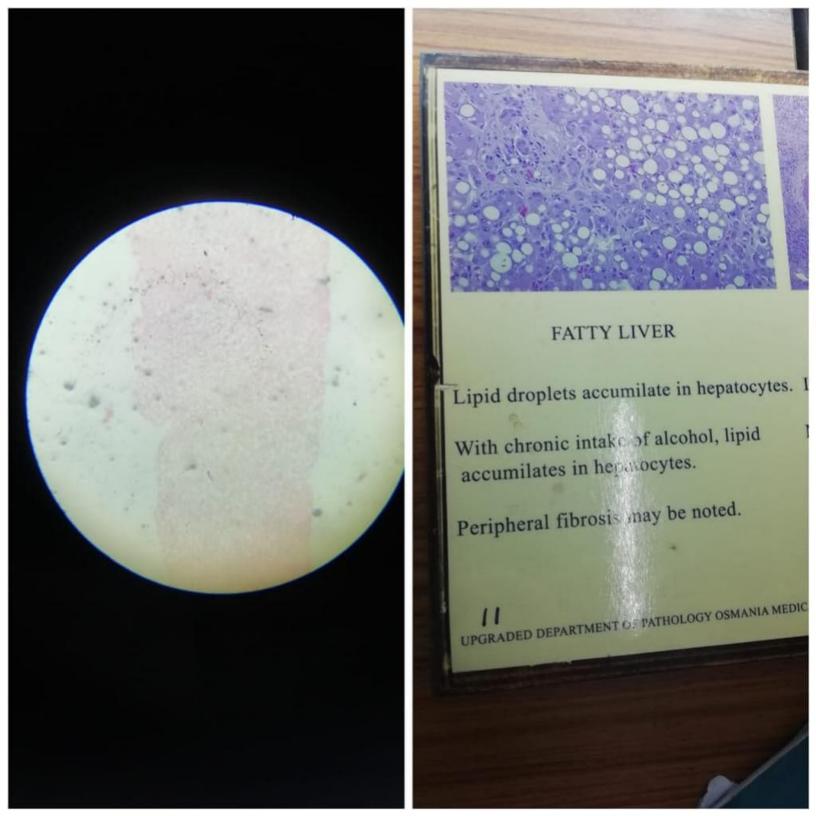
Dermis has islands of basophilic cells with hyperchromatic nuclei surrounded by fibrroblasts and lymphocytes.

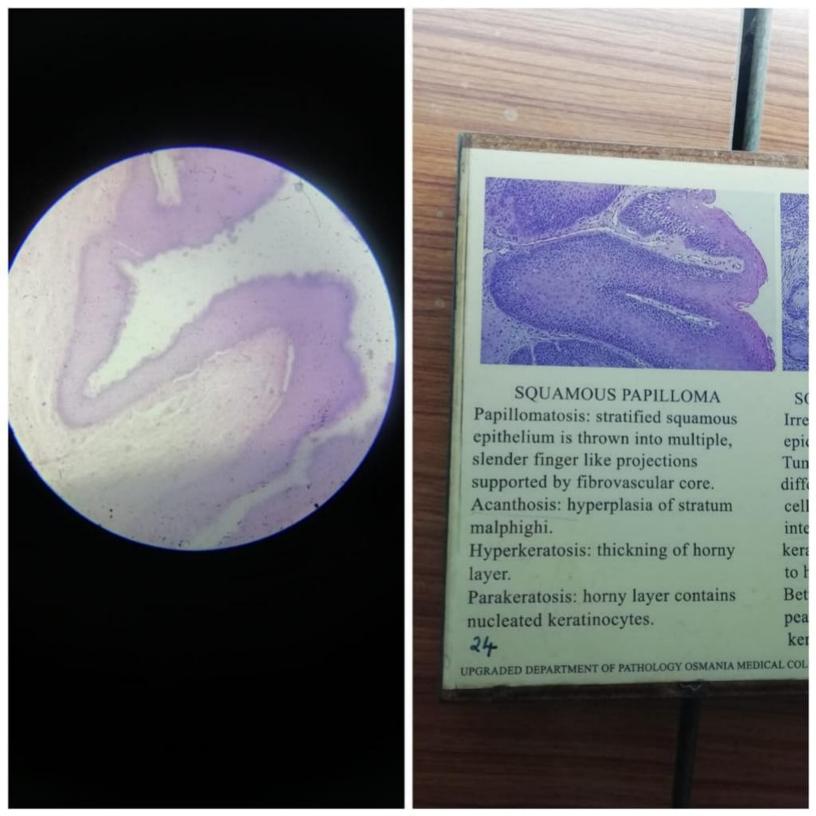
Cells forming periphery of tumour are are arranged radially with their long axis in parallel alignment(pallisading)

26

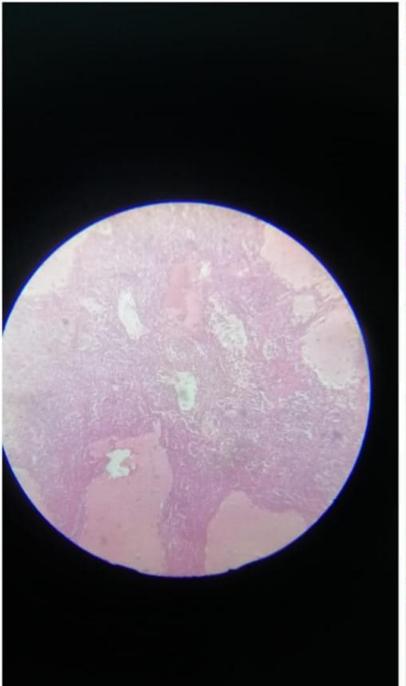
IPGRADED DEPARTMENT OF PATHOLOGY OSMANIA MEDICAL COLLEGE

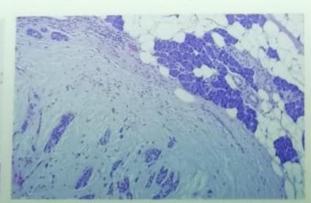












PLEOMORPHIC ADENOMA

Dominent histologic feature is the great hetrogenity.

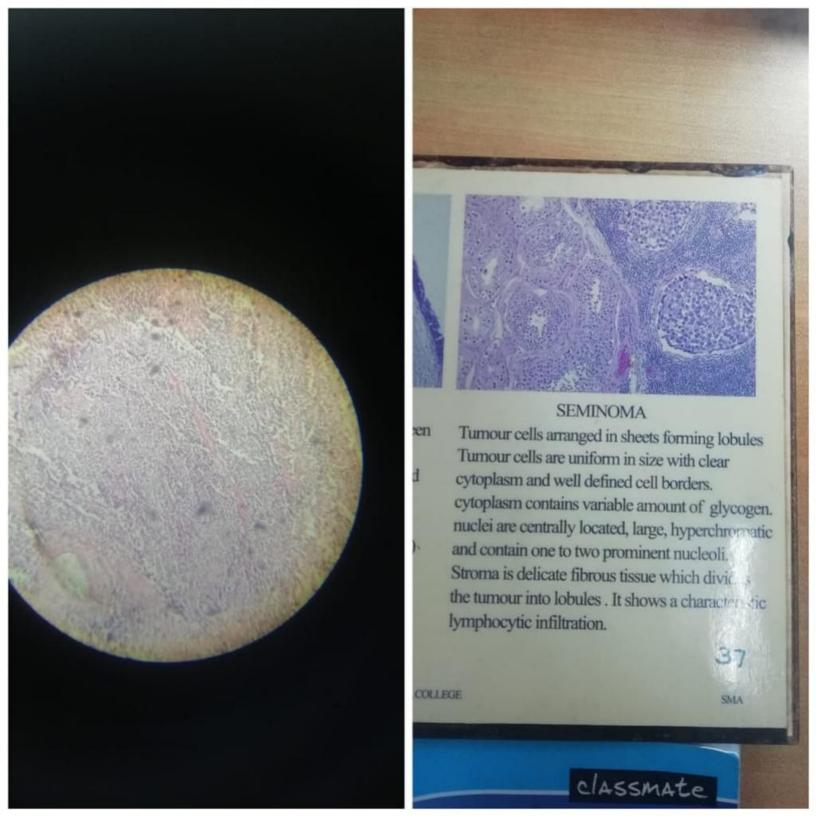
Epithelial elements are disposed in duct formation acini, irregular tubules, strands or sheets of cells. Epithelial elements are dispersed within a mesenchyme like background of loose myxoid tissue containing islands of chondroid or rarely foci of bone.

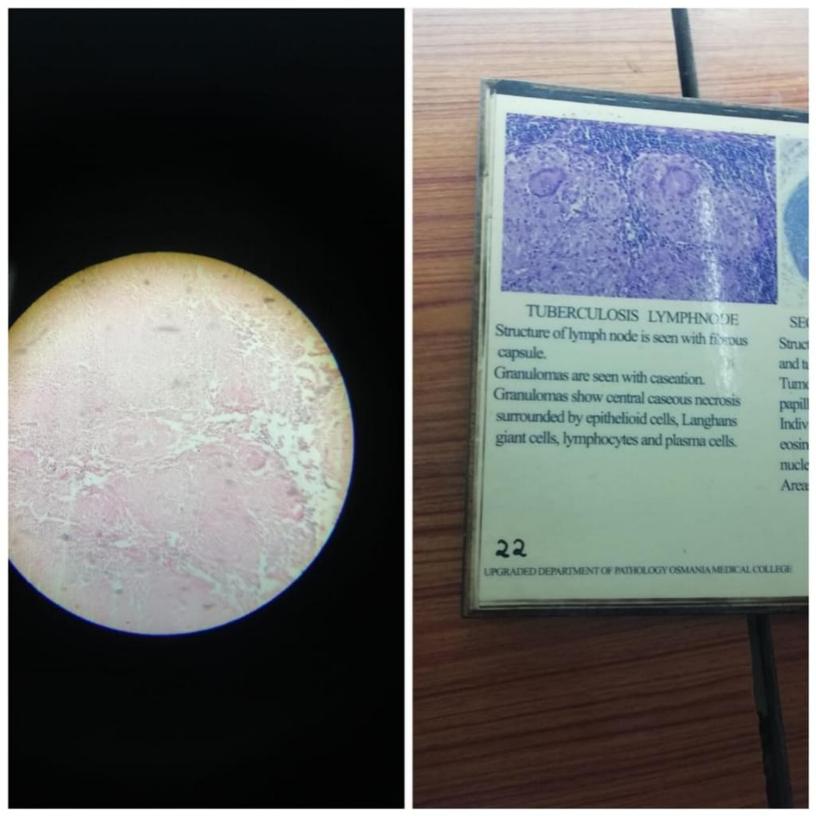
Myoepithelial cells and islands of well differentiated squamous epithelium may occur.

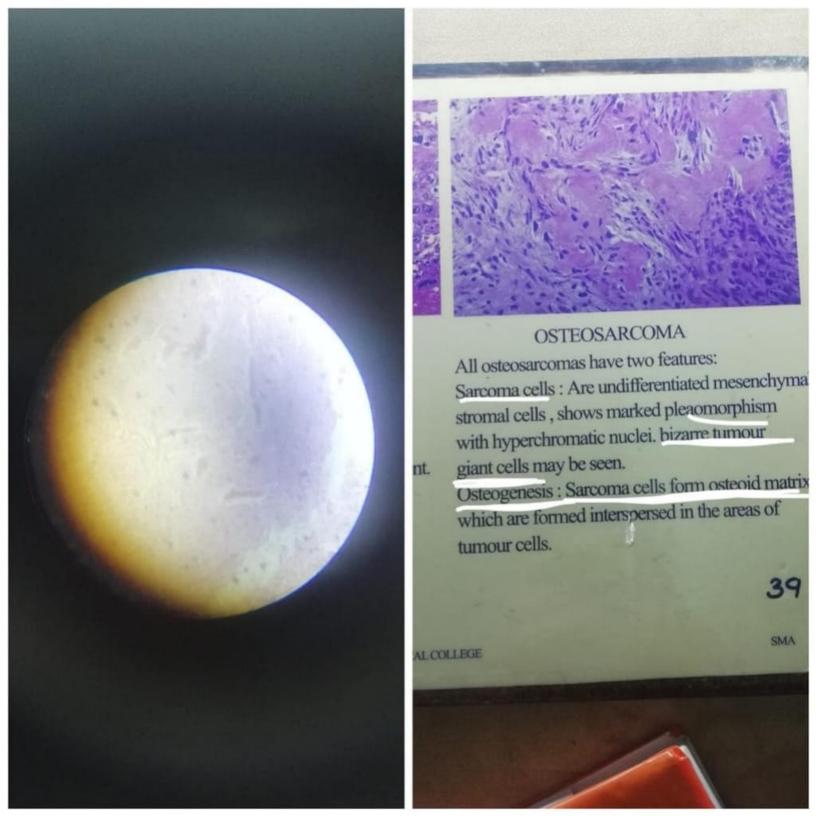
No epithelial dysplasia or mitotic activity.

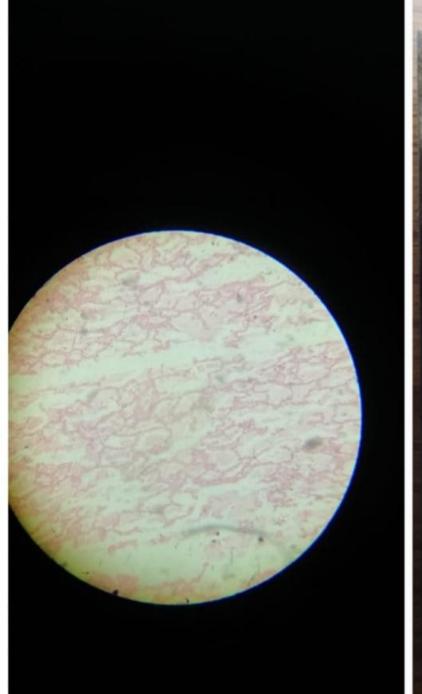
8

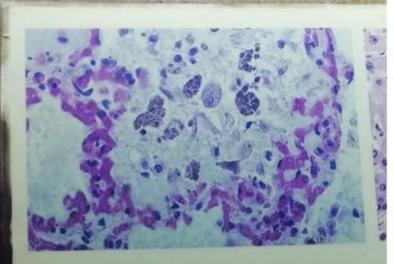
COLLEGE











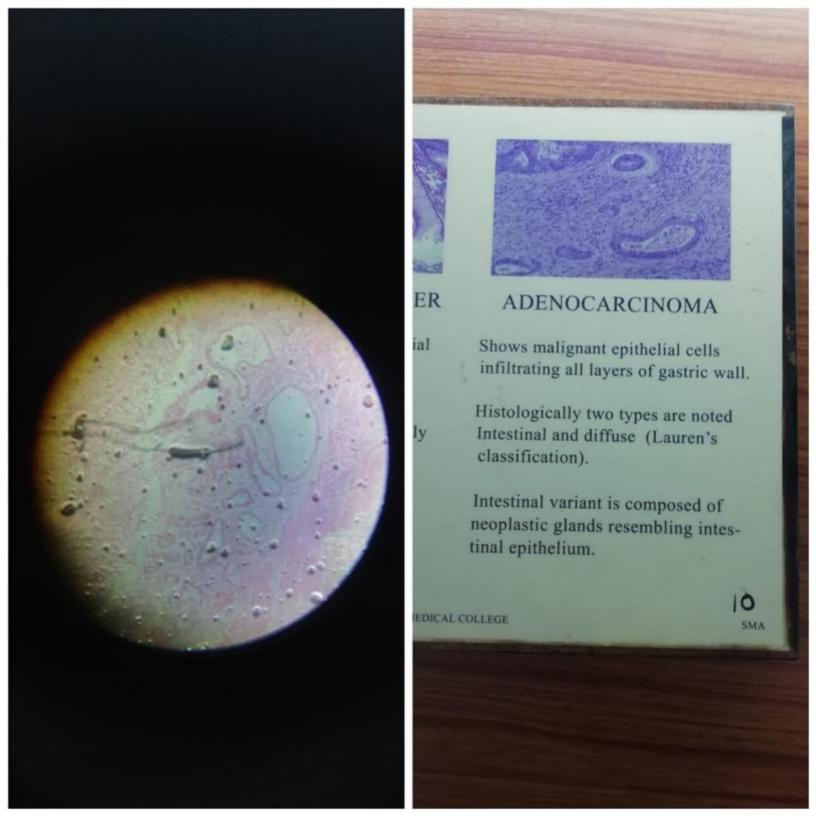
CVC: LUNG
Alveolar capillaries are engroged with blood.

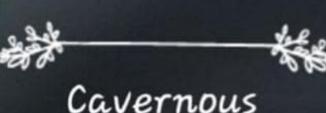
Alveolar septa are thickened and fibrotic.

Alveolar spaces contains numerous heart tanure cens (hemosiderin laden macrophages).

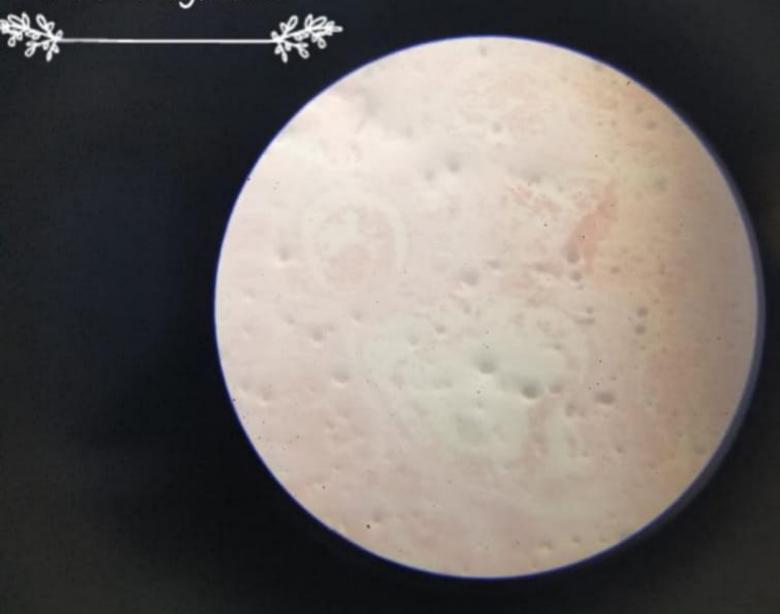
13

UPGRADED DEPARTMENT OF PATHOLOGY OSMANIA MEDI

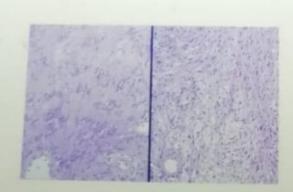




Cavernous hemangioma







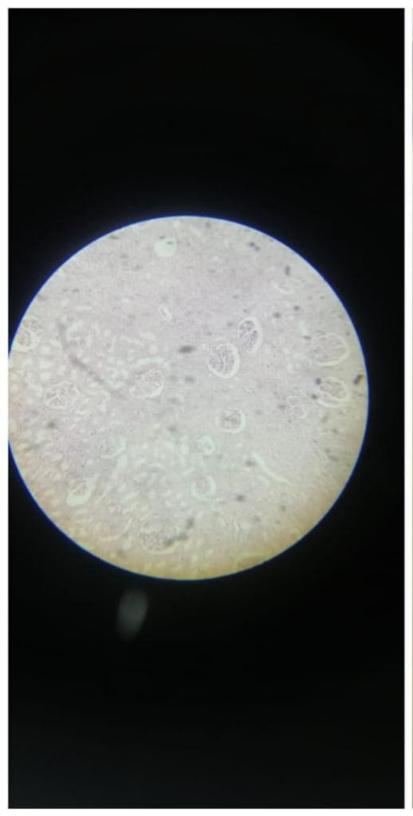
SCHWANNOMA

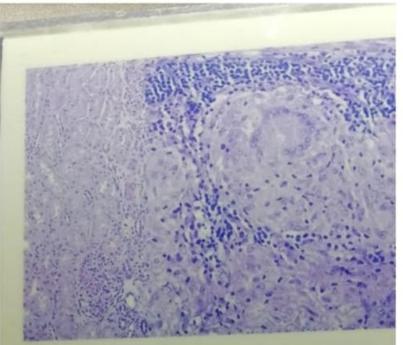
- s. Benign tumor of schwann cells.
- lls. Antoni A areas(Verocay bodies)
- ed are cellular areas consists of sheets of spindle cells with palisaded nuclei.

Antoni B areas consists of myxoid loose degenerative areas.

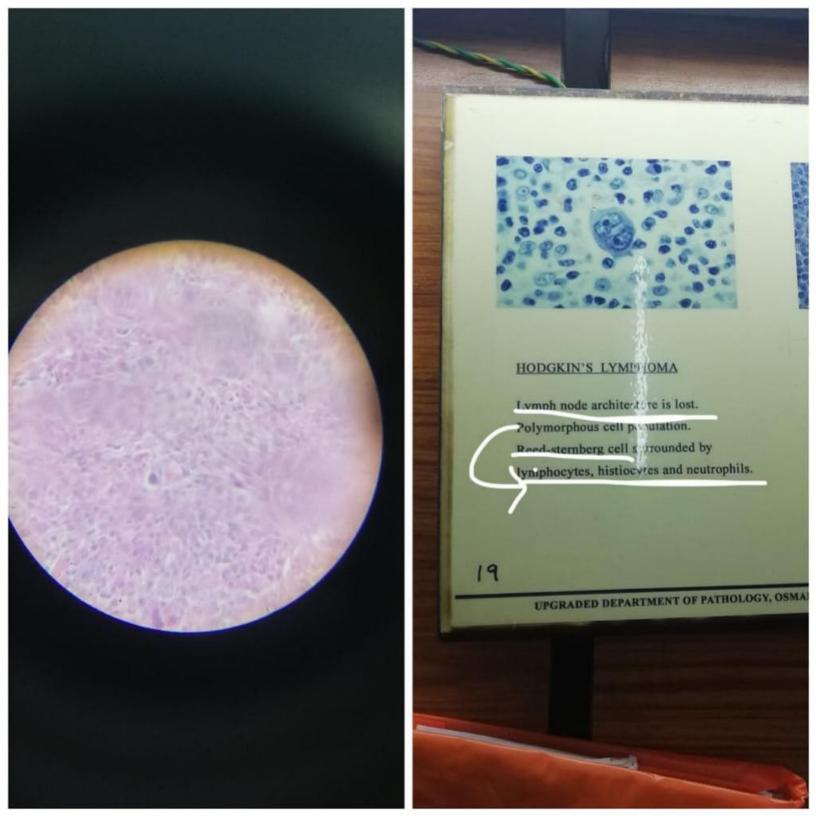
CAL COLLEGE

2

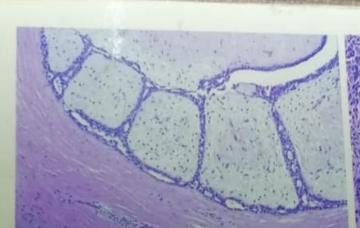




TUBERCULOSIS - KIDNEY
Native tissue of kidney is identified by
tubules and glomeruli.
Granulomas are seen, composed of
epithelioid cells, Lanhans giant cells,
lymphocytes and plasma cells.
fibroblasts are seen at periphery.





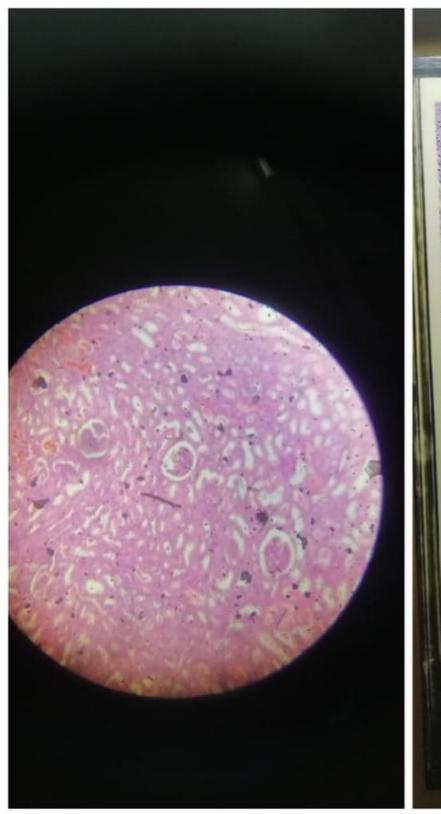


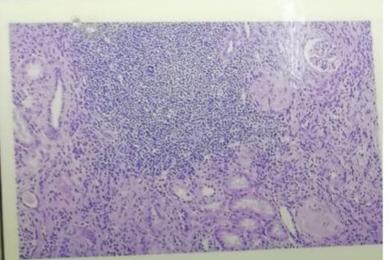
FIBROADENOMA

Proliferation of fibrous and epithelial

Two patterns are recognized: Intracanalicular pattern: stroma compresses the ducts so that they are reduced to slit like clefts lined by

Pericanalicular pattern : characterised by encircling masses of fibrous stroma around the patent or dilated ducts.

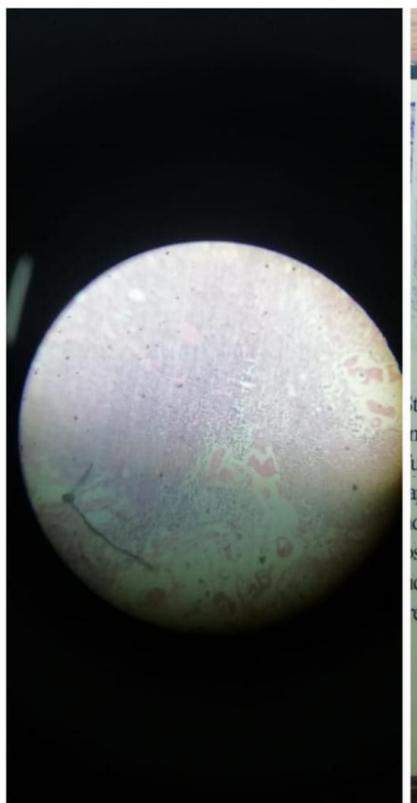




CHRONIC PYELONEPHRITIS

Tubules: show atrophy and dilatation dilated tubules may contain eosinophilic colloid casts- thyroidisation of tubules. Glomeruli: show periglomerular fibros In advanced cases there may be hyalinization of glomeruli. Interstitium: show infiltration with chronic inflamatory cells.

UPGRADED DEPARTMENT OF PATHOLOGY OSMANIA MEDIC



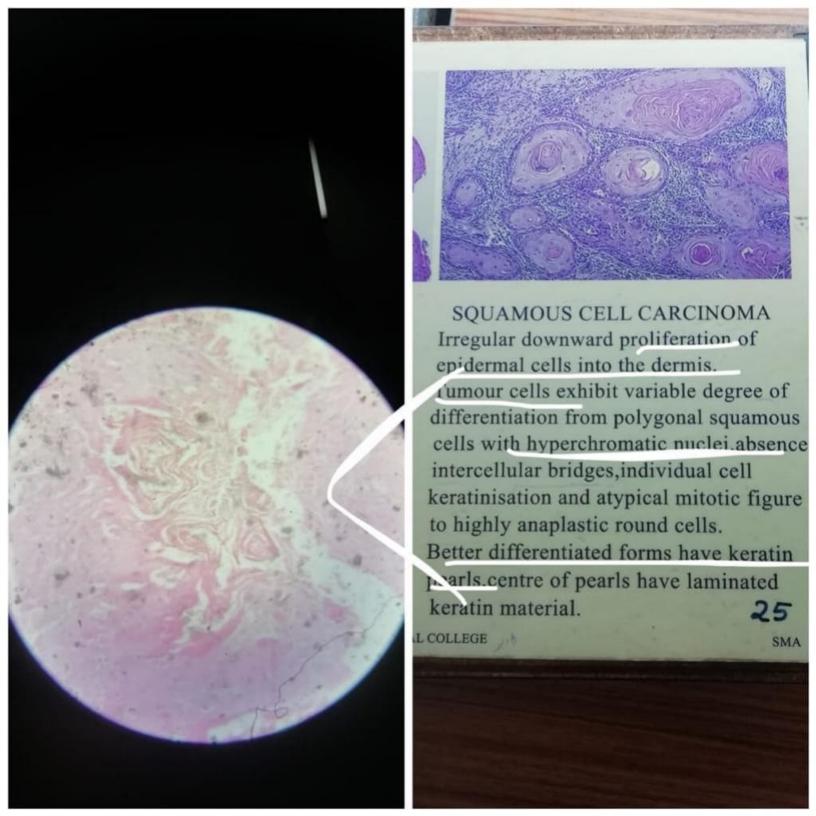


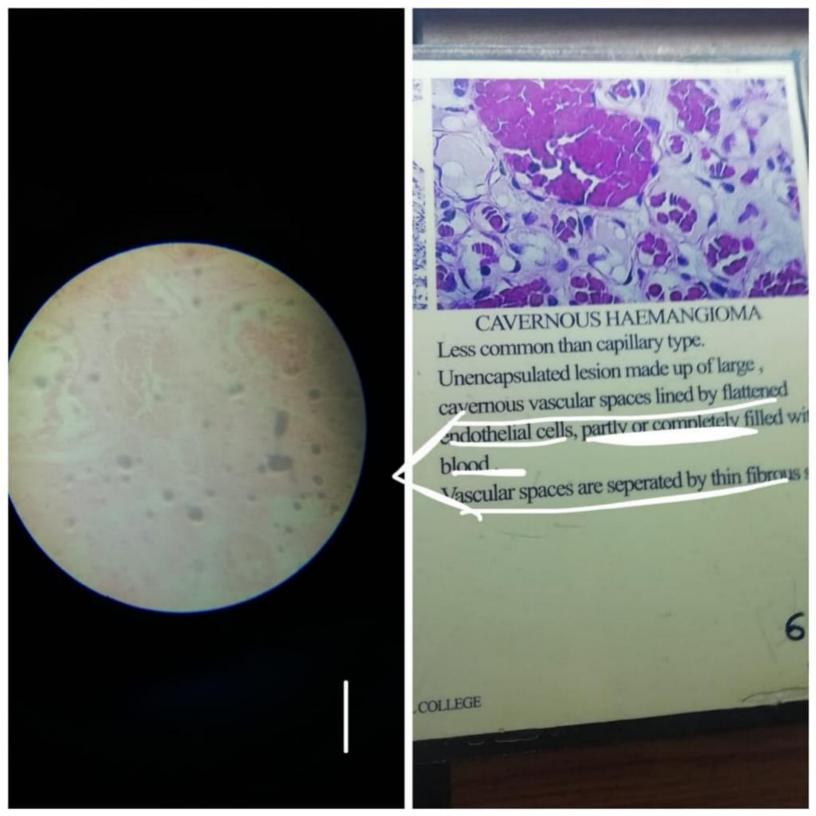
SECONDARY DEPOSITS LYMPHNODE

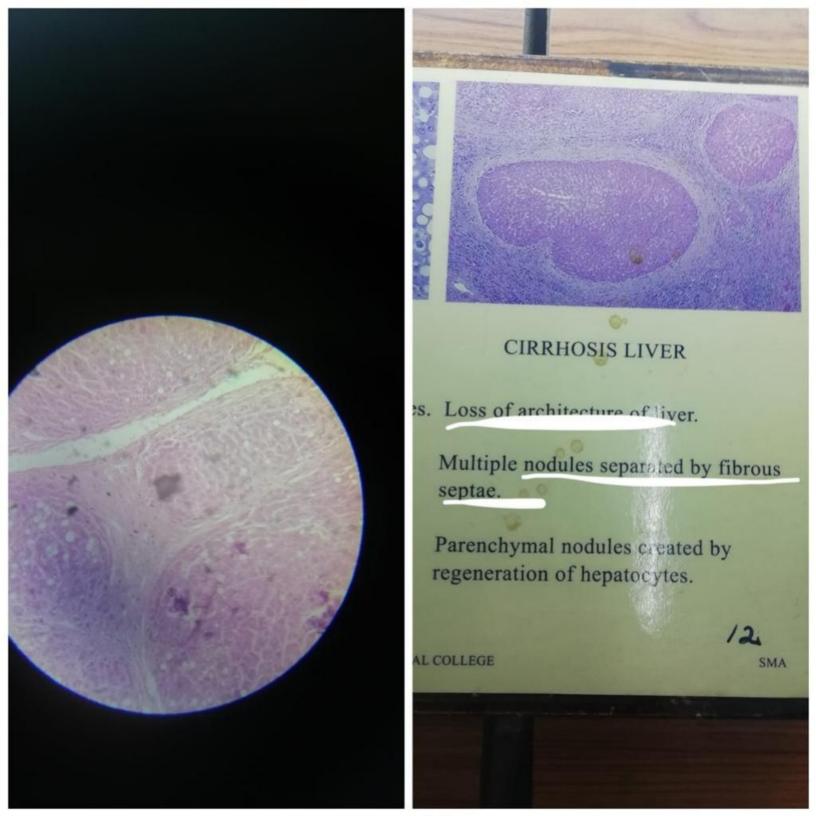
tructure of lymphnode with fibrous capsule nd tumour tissue.

umour tissue is composed of cells arranged in apillary pattern and glandular pattern. dividual cells are round to polygonal with sinophilic cytoplasm, large hyperchromatic iclei and mitofic figures are seen. reas of haemorrhage and necrosis may be seen.

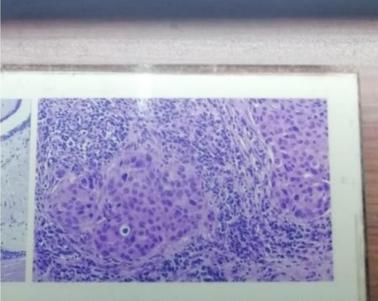
21











MEDULLARY CARCINOMA BREAST

Histological variant of duct cell carcinoma.

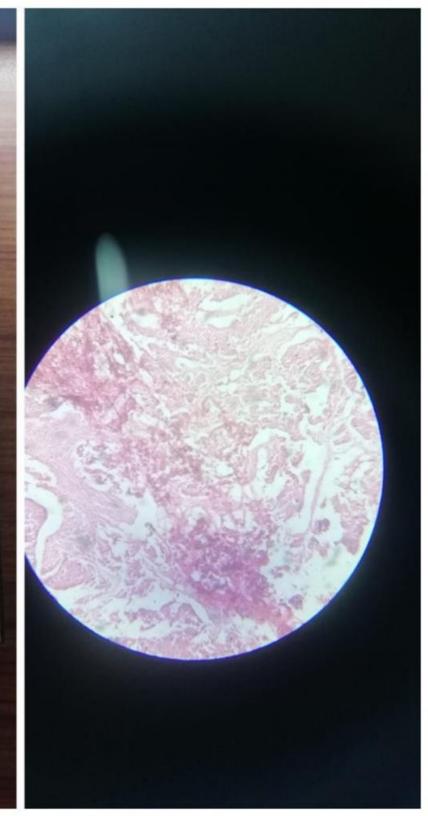
Characterised by two distinct features.

Tumour cells: sheets of large, pleomorphic tumour ceils with abundent cytoplasm, large vesicular nucleus and many atypical mitosis are diffusely spread in the scanty stroma.

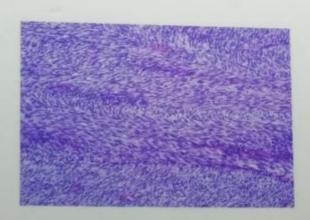
Stroma: Is scanty, loose and with prominent lymphocytic infiltration.

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CAL COLLEGE







FIBROSARCOMA

Tumour arises from fascia,intermuscular septa,subcutaneous tissue.

Unencapasulated tumour composed of spindle shaped cells(fibroblasts) arranged in "herring bone" pattern.

Stroma is scanty.

Frequent mitosis seen.

2

AL COLLEGE