

AUTUMN 2017

ANGIOMYOLIPOMA

Microscopy: Kidney shows a circumscribed triphasic tumour composed of variably admixed proportions of fat, smooth-muscle and blood vessels. No epitheloid component or necrosis seen.

Diagnosis:

Renal angiomyolipoma.

Further work:

1. Confirm with melanocytic markers: HMB 45 +, S100 +, Melan A +
Myoid markers: SMA, Calponin +ve.
Epithelial markers: CK -ve.
2. Extensive sampling of the lesion.
3. Discussed at urology MDT.

Comment:

1. Rare and benign neoplasm of PECOMA group of tumour is which includes lymphangioliomyomatosis, clear cell tumours of lung and cardiac rhabdomyomas.
2. Associated with tuberous sclerosis.
3. Variants include
Epitheloid AML with extensive Epitheloid areas (more than 80%)
AML with epithelial cysts (AMLEC).
4. Can be seen in other sites like liver, lung, soft tissue and retroperitoneum.