

PARAGANGLIOMA, BLADDER

DESCRIPTION: Section from bladder shows a tumor composed of nests of large polygonal cells arranged in a Zellballen pattern, surrounded by delicate fibrovascular stroma. Sustentacular cells are present at the periphery. Focally the tumor involves muscularis propria. No features related to aggressive behaviour are present.

DIAGNOSIS: Consistent with paraganglioma

WORK UP: 1) Confirmatory

Non specific enolase	+
Chromogranin	+
Synaptophysin	+
S100	+(sustentacular cells)

2) Check serum catecholamine levels and urine vanillyl mandelic acid

3) MDT discussion and correlation with clinical and radiologic findings

COMMENTS: 1) Association with Neurofibromatosis-1
Carney triad
VHL syndrom

2) Malignant behaviour is seen in 10% cases