

CASE 019

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A 40 year old female with left renal mass.

CLINICAL HISTORY

A 40 year old female presented at the outpatient department with a complaint of pain in abdomen and heaviness in the left flank. The radiological investigations revealed a mass in the left kidney. A radical nephrectomy was performed and the specimen was submitted for histopathological examination.

PATHOLOGICAL FINDINGS

Gross: The nephrectomy specimen, 100 grams in weight, was received in formalin, that measured 9.5 x 4.0 x 4.0 cm. Ureter and renal vessels were identified, traced and oriented. External surface of kidney was unremarkable and inked black. Cut surfaces revealed a single focus of solid, variegated, tan-brown, well-circumscribed mass at mid pole, that measured 4.2 x 2.2 x 2.2 cm. Extensive areas of necrosis and hemorrhage were also identified. The mass was confined to renal parenchyma, with no extension in perinephric fat, Gerota's fascia, pelvicalyceal system, ureter with renal vessels and renal hilum. Adrenal gland was not identified in the specimen.

Microscopy: Haematoxylin & Eosin stained sections from kidney showed a circumscribed tumor composed of cells arranged in variable morphological patterns such as compact tubules, nests, trabeculae and sheets. The tumor cells show mild to moderate pleomorphism,