
73 YEAR OLD MALE. LEFT RENAL TUMOUR. RADICAL LEFT NEPHRECTOMY.
MACROSCOPY

Left kidney: Left nephrectomy specimen weighing 523g (including perinephric fat). The kidney measures 111mm, superior to inferior x 72mm, medial to lateral x 45mm, anterior to posterior. There is attached perinephric fat which measures up to 35mm in thickness. There is an attached renal artery measuring 15mm in length x 3mm in diameter, as well as an attached renal vein which measures 15mm in length x 4mm in diameter. The attached ureter measures 18mm in length x 5mm in diameter. On sectioning, within the middle kidney is a yellow and grey tumour which measures 23 x 21mm. The tumour is well circumscribed; it comes close but does not appear to involve the renal sinus. There is no evidence of extension beyond the capsule.

- 1) Vascular margin
- 2) Ureteric margin
- 3, 4) Paired blocks with adjacent renal sinus
- 5, 6) Tumour
- 7) Tumour closest to capsule
- 8) ?involvement of vessel
- 9) Uninvolved kidney (lower pole)
- 10) Section attached hilar

HISTOLOGY

The macroscopically seen tumour is a renal cell adenocarcinoma of clear cell (conventional) type. This is characterised by small nests of cells with clear cytoplasm, separated by delicate septa containing thin-walled blood vessels. The tumour cells are Fuhrman grade 2, showing small nucleoli and mild nuclear pleomorphism. There is no evidence of necrosis and no sarcomatoid areas are seen.

The tumour is confined to the renal parenchyma. It is not identified within the renal sinus.

There is no evidence of microscopic vascular invasion. The ureteric margin is free of tumour.

The kidney away from the tumour is unremarkable.

CONCLUSION

RADICAL LEFT NEPHRECTOMY

- Clear cell carcinoma of the kidney, confined to kidney, pT1aNxMx - Resection margins clear of tumour
- Leibovich risk model score: 0 (Low risk)