

8 Metastatic renal cell carcinoma**Micro**

- This is scalp skin containing an exophytic tumour.
- The lesional cells are rounded to polygonal with central nuclei, prominent nucleoli and ample eosinophilic cytoplasm.
- The tumour has a nested pattern with rich delicate vasculature.
- It infiltrates the dermis with ulceration of the overlying epidermis.
- The features are those of a malignant cytoplasm the differential diagnosis includes metastatic carcinoma and primary skin neoplasm.
- The latter is less likely due to lack of in-situ epidermal or melanocytic lesion in the surrounding epidermis.

Diagnosis

- Malignant neoplasm favoring metastatic carcinoma

Further work/comment

- Immunohistochemical panel to reach the definitive diagnosis:
 - RCC, Vimentin and cytokeratins for metastatic renal cell carcinoma.
 - CK7 and CEA for metastatic non-small cell carcinoma of lung.
 - S100 and Melan A to exclude melanoma.
- Clinical correlation is highly recommended:
 - Seeking additional clinical history or searching the laboratory computer system for previous primary tumour diagnoses.
 - Radiological scan data for kidney or lung lesions.