

June Sheppard 2099 20 4108091108 ;Mrs Violet

78 YEAR OLD FEMALE, with 10x12cm purple, vascular tumour on the forehead. This specimen: presumed incisional biopsy from the forehead tumour, sent for further opinion by Dr alwahab, histologically likely angiosarcoma.

No previous RMH histology

#### MACROSCOPY

The macroscopic description from the referring hospital was as follows: '3x tan irregular piece of tumour measuring (A1) 10x5x5mm, with a multi pigmented surface (A2) 8x5x5mm with an ink scar-like area 5x2mm and appears touching the margins (A3) 7x5x5mm.'

#### HISTOLOGY

The features are as previously described by Dr Alwahab, and show skin and subcutis with skeletal muscle deeply, and with dermis showing prominent solar elastosis and an ill-defined lesion, composed of moderately to relatively markedly atypical large cells ovoid with hyperchromatic or ovoid vesicular nuclei often with prominent nucleoli which are seen to line irregular vascular channels that prominently dissect the dermal collagen. There is surrounding haemosiderin deposition and areas of haemorrhage. The lesion is present in the dermis and likely focally in the subcutis. No definite dysplasia, junctional activity or other significant pathology is noted in the overlying squamous epithelium.

Immunohistochemistry from the referring institution shows the tumour to be diffusely and strongly positive for CD31. CD34 appears essentially negative, and tumour is negative for S100 protein. There is non-specific CD10 expression in fibrous tissue. The proliferation fraction by MIB1 is appears high.

The features are consistent with angiosarcoma

Marginal status is difficult to assess, due to areas of haemorrhage and dermal crush artefact, but tumour appears to be <1mm from the nearest lateral margin and perhaps focally <1mm from the deep margin. There is a separate fragment comprising skeletal muscle and fibrous tissue with haemorrhage, which likely is deep tissue, while no tumour is seen here, it is not clear whether this represents true deep aspect.

Report to Dr Alwahab

Dr Magnus Hallin/Dr Khin Thway

T: soft tissue T