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80 YEAR OLD MALE. HISTORY OF WIDE EXCISION OF MYXOFIBROSARCOMA FROM LEFT ARM IN 2007. EXCISION OF RECURRENT MYXOFIBROSARCOMA LEFT ARM IN 2014 (2320/14) AND 2017 (4861/17) FOLLOWED BY ADJUVANT RADIOTHERAPY. RE-EXCISION OF SARCOMA DEPOSIT LEFT ARM SCAR IN NOV 2018: RECURRENT MYXOFIBROSARCOMA, GRADE 2. THIS SPECIMEN: MARGINAL EXCISION OF RECURRENT SARCOMA, LEFT ARM.

#### MACROSCOPY

Recurrent sarcoma, left bicep arm: Pot contains an unorientated ovoid specimen measuring 50 x 30 x 12mm. With an ellipse of skin measuring 50 x 12mm on one surface, skin bears a linear scar measuring 28mm in length. The deep surface is covered in smooth connective tissue. Margins have been inked blue. Specimen has been serially sliced revealing a cream homogenous circumscribed tumour nodule measuring 22 x 21 x 7mm. The nodule abuts the resection margin. No macroscopic necrosis is seen. Blocks: 1) Cruciate of ends; 2-5) Representative section of tumour. Tissue and tumour remains.

#### HISTOLOGY

Sections show skin and subcutis with dermis and subcutaneous containing ill-defined, predominantly cellular tumour with a nodular or infiltrative appearance, and composed of loose fascicles of moderately to markedly atypical cells spindle to ovoid cells in delicately collagenous or myxocollagenous stroma. The mitotic index is variable but is focally up to 20/10hpf, with atypical forms. No definite necrosis is seen.

The features are consistent with recurrent myxofibrosarcoma, grade 2. The tumour is focally present at the lateral and deep margins, and is focally approximately 1mm from the nearest cruciate margin. No significant pathology is noted in the overlying squamous epithelium.

Dr Magnus Hallin/Dr Khin Thway

T: soft tissue t arm m fibrosarcoma