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75 YEAR OLD MALE, WITH RECURRENT LIPOSARCOMA. HE PREVIOUSLY HAD AN INCIDENTAL FINDING OF RETROPERITONEAL TUMOR ON CT IMAGING FOR PROSTATE CARCINOMA. EXCISED IN OCT 2018 (13616/18), WITH FINDINGS IN KEEPING WITH WELL-DIFFERENTIATED LIPOSARCOMA, GRADE 1, WITH MDM2 AMPLIFICATION (DEDIFFERENTIATED COMPONENT NOT SEEN); 13616/18. THE PATIENT HAS NOW REPRESENTED WITH A RECURRENT AREA OF LIPOSARCOMA IN FRONT OF THE DUODENUM. SEQUENTIAL SCANS FROM OCT 2019 TO MAY 2020 SHOW A CLEAR, AND RECENTLY QUITE RAPID, PROGRESSION OF THIS TUMOR. THE PATIENT IS SYMPTOMATIC, WITH EARLY SATIETY AND SOME SENSE OF BOWEL DISTURBANCE. HIS PROSTATE CANCER IS UNDER GOOD CONTROL. THIS SPECIMEN: EXCISION OF RECURRENT SARCOMA IN FRONT OF DUODENUM.

#### MACROSCOPY

#### HISTOLOGY

Sections show small amounts of fibroadipose tissue, containing ill-defined focally moderately cellular tumor, composed of adipocytes of mature type, with prominent intersection by fibrous tissue containing numerous moderately to markedly atypical cells with ovoid to spindle hyperchromatic nuclei, and fibrillary cytoplasm, in delicately collagenous to myxocollagenous stroma. Numerous multinucleate tumor cells are present.

Mitotic figures are not prominent, although an atypical mitotic figure is noted (slide 6) an index of up to 1/10hpf, and no tumor necrosis is seen. No definite tumor necrosis is seen.

The tumor is seen to abut but not infiltrate pancreas (slide 4); no specific abnormality is noted in this small amount of pancreas present.

The features are consistent with recurrent well-differentiated liposarcoma. The tumor has a prominent adipocytic component throughout it, but the amount of fibrous tissue is also marked, and therefore this also likely amount to a degree of dedifferentiated liposarcoma, grade 2 in this specimen. The tumor extends to the inked margin.

Dr Magnus Hallin/Dr Khin Thway

T: soft tissue t retroperitoneum

M WDL dedifferentiated liposarcoma