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51 YEAR OLD FEMALE. PREVIOUS RESECTION OF WELL DIFFERENTIATED LIPOSARCOMA RESECTED IN 2004 AND OF RECURRENT WELL-DIFFERENTIATED LIPOSARCOMA GRADE 1 DISEASE IN 2012. THIS SPECIMEN: RESECTION OF RECURRENT RIGHT RPLS, EXTENSIVE ADHESIOLYSIS, MOBILISATION OF LIVER, REPAIR OF BILE LEAK, ADRENALECTOMY.

MACROSCOPY

Recurrent retroperitoneal sarcoma, right side: pot contains an unorientated ovoid specimen measuring 98 x 53 x 29mm. One surface is coated in smooth shiny serosal tissue. The opposite surface has fragments of skeletal muscle. The outer surface has been inked blue and the specimen has been serially sliced revealing a macroscopically normal adrenal gland measuring 40 x 30 x 8mm. Lying adjacent to the adrenal gland is a lobulated heterogenous lipomatous mass measuring 50 x 48 x 20mm. The mass abuts the resection margin and the adrenal gland. No obvious macroscopic invasion is seen. No macroscopic necrosis is seen. Blocks: 1&2) Cruciate of ends; 3-5) Representative sections of tumour to adrenal gland; 6) Representative tumour to resection margin; 7) Representative section of cream area of tumour. Tissue and tumour remains.

HISTOLOGY

Sections show an adipocytic tumour, composed of sheets of adipocytes of mature type with prominent intersection by fibrous septa, containing scattered cells with elongated hyperchromatic spindle nuclei. No definite mitotic figures or tumour necrosis are seen. Scattered small lymphocytes are noted within the lesion. The tumour is seen to abut, but not infiltrate the adrenal gland; no significant pathology is noted within this gland.

The features are consistent with recurrent well-differentiated liposarcoma. The nodule noted macroscopically shows expansion of fibrous septa by similar tumour without discernible mitotic activity or necrosis. This may represent an area of sclerosing well-differentiated liposarcoma; however, a small area of dedifferentiated liposarcoma (grade 2) cannot be excluded. Well-differentiated liposarcoma extends to the inked peripheral resection margin and one of the longitudinal margins. The areas of possible dedifferentiated liposarcoma appears clear of the inked margin.

Dr Magnus Hallin/Dr Khin Thway

T: soft tissue T retroperitoneum well-differentiated liposarcoma m morphological description only
dedifferentiated liposarcoma