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55 YEAR OLD FEMALE. CORE BIOPSY IN APRIL 2020 FROM TUMOR OF THE LEFT LEG, MYXOID LIPOSARCOMA, With AREAS OF TRANSITIONAL AND HIGH-GRADE ('ROUND CELL') CHANGE, With FUS-DDIT3 FUSION TRANSCRIPTS ON RT-PCR (4661/20). THIS SPECIMEN: EXCISION OF SARCOMA OF THE LEFT THIGH.

#### MACROSCOPY

#### HISTOLOGY

Sections show skeletal muscle and fibroadipose tissue enclosing predominantly cellular tumor, with features as previously described (4661/20), and composed of sheets of minimally to mildly atypical ovoid cells with minimal intervening fibrous stroma, as well as some moderately cellular myxoid foci, the latter with the classic features of myxoid liposarcoma. Small lipoblasts are interspersed focally (eg slide 4). The mitotic index is variable, but focally up to 8-9/10hpf, without atypical forms. No definite tumor necrosis is seen.

The features are consistent with myxoid liposarcoma with predominant transitional or high-grade areas, with high-grade areas accounting for approximately at least 60% of the tumor area. Conventional-type myxoid liposarcoma is focally approximately 0.1mm from the inked deep margin, being separated from it by a thin layer of connective tissue. High-grade tumor is approximately 4.5mm from the medial margin, and approximately 8.5mm from the lateral margin. The tumor is at least 20mm from the superior margin.

Dr Magnus Hallin/Dr Khin Thway

T: soft tissue T thigh  
M mlps m round cell lps

Prof Bakal study 3