

ROYAL MARSDEN NHS FOUNDATION TRUST - HISTOPATHOLOGY REPORT

749042: [REDACTED] NHS Number: 650 555 6303

Lab No	5992/20	Reported	17 Jun 2020	Pathologist	DR HALLIN/DR THWAY
Source	Internal Operation	Sample Received	12 Jun 2020	Ward	
Sex	MALE	Age	22	Branch	FULHAM ROAD
Clinical Diagnosis		Operation	12 Jun 2020	Consultant	SMITH,MR M J F

SITE	DIAGNOSIS
SOFT TISSUE AND OTHER CONNECTIVE TISSUE A (T1X005)	DERMATOFIBROSARCOMA (Malignant) (M88323)
B FLANK (TY1310)	DERMATOFIBROSARCOMA (Malignant) (M88323)

22 YEAR OLD MALE, LUMBAR HETEROGENOUS 7.5 BY 5.2 CM LESION WITH CENTRAL ENHANCEMENT, CONCERNING OF SARCOMA. HE PRESENTS WITH A SIX- MONTH HISTORY OF AN ENLARGING SWELLING IN HIS RIGHT FLANK. CLINICALLY, THIS IS WORRYING FOR SARCOMA, SINCE THERE HAS BEEN RAPID ENLARGEMENT, AND THE SURROUNDING SKIN LOOKED CLOSE TO BEING COMPROMISED ON EXAMINATION. OUTSIDE MRI: OVOID RIGHT FLANK SUBCUTANEOUS SOLID ENHANCING TUMOR; THERE IS LIKELY INVOLVEMENT OF THE LATISSIMUS DORSI MUSCLE; APPEARANCES SUSPICIOUS FOR SARCOMA; DFSP SHOULD BE CONSIDERED. THIS SPECIMEN: CORE BIOPSY FROM RIGHT FLANK MASS. NO RMH IMAGING, AND NO PREVIOUS RMH HISTOLOGY

MACROSCOPY

Right flank biopsy: 5 cores ranging from 2-15mm. 1-3) AE.

HISTOLOGY

Cores comprising small amounts of fibroadipose tissue and cellular tumor, composed of streams or in areas vaguely storiform distributions of plump cells with elongated spindle nuclei with scanty fibrillary cytoplasm in mildly collagenous stroma. Although the cells appear relatively uniform, and atypia is relatively minimal, some focal possible mild atypia is present. The mitotic index is focally up to 10/10hpf; these are plump, but conclusive atypical forms are not noted. No tumor necrosis is seen.

The tumor is diffusely and strongly positive for CD34. It is negative for SMA, desmin, myogenin, S100 protein, SOX10, MUC4, STAT6 and AE1/AE3. The proliferation fraction by MIB1 is high.

The features suggest dermatofibrosarcoma. The focal loosely fascicular architecture and atypia, prominent mitotic activity and high proliferation index suggest focal, at least incipient fibrosarcomatous change.

Dr Magnus Hallin/Dr Khin Thway