

ROYAL MARSDEN NHS FOUNDATION TRUST - HISTOPATHOLOGY REPORT
748838: PROSTATECTOMY - NHS Number: 414 907 9331

Lab No	6756/20	Reported	10 Jul 2020	Pathologist	
Source	Internal Operation	Sample Received	7 Jul 2020	Ward	
Sex	MALE	Age	87	Branch	FULHAM ROAD
Clinical Diagnosis		Operation	6 Jul 2020	Consultant	STRAUSS, MR D C

SITE	DIAGNOSIS
A SOFT TISSUE AND OTHER CONNECTIVE TISSUE (T1X005)	FIBROSARCOMA (Malignant) (M88103)
B FOREARM (TY8500)	FIBROSARCOMA (Malignant) (M88103)

87 YEAR-OLD MALE, WITH A SIX-MONTH HISTORY OF A GROWING MASS IN THE RIGHT FOREARM. ON EXAMINATION, TUMOR IS SOLID AND HARD, AND IS IN THE SUBCUTANEOUS TISSUE. MRI: 7.6 X 4.8 X 10CM RIGHT FOREARM MASS ON THE RADIAL ASPECT, CENTERED IN SUBCUTANEOUS TISSUE AND OVERLYING AND DISPLACING (RATHER THAN INVADING) FLEXOR AND EXTENSOR MUSCLES. MORPHOLOGY AND SIZE INDICATE LIKELY MALIGNANT ETIOLOGY. THERE IS NO PREVIOUS HISTOLOGY FOR REVIEW AT RMH.

MACROSCOPY

Mass right forearm:

9 mucinous cores ranging from 7-25mm. 1-9) AE.

HISTOLOGY

Cores of fibroadipose tissue, with infiltrative, moderately cellular spindle cell tumor, composed of patternless arrays of mildly to focally moderately atypical cells with elongated ovoid or sometimes slightly buckled nuclei with fibrillary cytoplasm, in predominantly myxoid/ myxocollagenous stroma. Occasional multinucleate tumor cells are present. The stroma shows moderate vascularity, predominantly with medium-sized thin-walled, sometimes curvilinear vessels. The mitotic index is up to 6/10hpf, with atypical forms, and focal necrosis is present (slide 6). There is a relatively sparse focal chronic inflammatory infiltrate, and small foci of hemosiderin deposition.

The tumor is diffusely and strongly positive for CD34. STAT6 has an overcooked appearance, with relatively strong nuclear and cytoplasmic staining in many cells; however, there appears to be definite negativity in some tumor nuclei, and this appears to represent aberrant rather than true staining. AE1/AE3 is interpreted as negative, with focal weak background staining only. The tumor is negative for SMA (only possible scanty weak staining seen), desmin, myogenin, SOX10, S100 protein, MUC4 and EMA. The proliferation fraction by MIB1 is low-moderate.

The features are of a malignant spindle cell neoplasm with myxoid stroma, and would be in keeping with myxofibrosarcoma, grade 2 in this material. The features appear insufficient for malignant solitary fibrous tumor.

Dr Magnus Hallin/Dr Khin Thway