

**ROYAL MARSDEN NHS FOUNDATION TRUST - HISTOPATHOLOGY REPORT**  
 711086: ~~CONFIDENTIAL~~ - NHS Number: ~~CONFIDENTIAL~~

Lab No	0432/20	Reported	22 Jan 2020	Pathologist	DR HALLIN/DR THWAY
Source	Internal Operation	Sample Received	10 Jan 2020	Ward	
Sex	MALE	Age	60	Branch	FULHAM ROAD
Clinical Diagnosis		Operation	10 Jan 2020	Consultant	MIAH, DR A B

**SITE**  
 SOFT TISSUE AND OTHER CONNECTIVE TISSUE  
 A ( T1X005 )  
 B CHEST WALL ( TY2150 )

**DIAGNOSIS**  
 FIBROUS HISTIOCYTOMA MALIGNANT  
 ( M88303 )  
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60 YEAR OLD MALE WITH PREVIOUS EXCISION OF UNDIFFERENTIATED PLEOMORPHIC SARCOMA POST -RADIOTHERAPY (RIGHT POSTERIOR CHEST WALL INVOLVING THE INFRASPINATUS MUSCLE) IN OCT 2018. PATIENT NOTICED A NON-TENDER LUMP OVER THE LOWER LEFT CHEST WALL IN NOV 2019. CLINICAL EXAMINATION REVEALED A MOBILE LUMP MEASURING 2 CM OVER THE LOWER LEFT CHEST WALL. THIS SPECIMEN: MASS, LEFT CHEST WALL, CLINICALLY RELAPSE.

**MACROSCOPY**

Left chest: 3 cores ranging from 12-13mm. 1-3) AE.

**HISTOLOGY**

Cores of fibroadipose tissue with blood, with fibrous tissue containing cellular tumour composed of moderately to markedly atypical ovoid to spindle cells with moderate amounts of darkly eosinophilic cytoplasm. Bizarre cells and tumour giant cells are prominent. There are intermingled atypical mitotic figures, with an index of up to 16/10hpf. No definite necrosis is seen. In other areas, the stroma is collagenous with blander spindle cells, and a moderate chronic inflammatory infiltrate including some lymphoid aggregates.

There is focal strong desmin expression, and very occasional tumour nuclei show largely weak to moderate myogenin expression. A very occasional scant cell shows AE1/AE3 expression. SMA shows only weak focal scanty granular cytoplasmic staining, and is interpreted as negative. The tumour is negative for CD34, STAT6, S100 protein and SOX10.

The features are consistent with recurrent pleomorphic sarcoma, showing focal rhabdomyosarcomatous differentiation in this biopsy, at least grade 2.

Dr Magnus Hallin/Dr Khin Thway