

30 YEAR OLD MALE. RECENT EXCISION BIOPSY OF LESION ON RIGHT CHEST WALL: suggest incipient fibrosarcomatous change in dermatofibrosarcoma protuberans. Tumour is extensively present at the edges of the fragments (16557/19). THIS SPECIMEN: wide excision OF SCAR, RIGHT CHEST WALL.

MACROSCOPY

Scar right chest wall, short superior; long - lateral: pot contains an orientated ellipse of skin measuring 45 (medial to lateral) x 17mm (superior to inferior). There is a subcutaneous tissue to a depth of 7mm. The skin surface bears a small scar measuring 15mm in length and a blue/purple nodule measuring 2mm in diameter. The specimen has been orientated with sutures and has been inked superior blue; inferior green; medial orange; lateral red and deep black. The specimen is serially sliced revealing predominately scar tissue with a small possible focal nodule measuring 8 x 7 x 6mm. The nodule lies 3mm from the superior margin; 3mm from the inferior margin; 20mm from the medial margin and 14mm from the lateral margin. No obvious macroscopic necrosis is seen. No other pathology is seen. Blocks: 1) cruciate of the medial margin; 2) Transverse sections medial to nodule; 3&4) transverse section of nodule; 5) transverse slice lateral to nodule; 6) cruciate of lateral margin. Tissue remains.

HISTOLOGY

Sections show skin and subcutis with skeletal muscle deeply. The dermis and subcutis contain ill-defined cellular tumour, composed of essentially bland and uniform spindle cells in keeping with residual dermatofibrosarcoma. There is surrounding fibrosis with moderate focal chronic inflammatory infiltrate and giant cell reaction, consistent with previous surgery. Mitotic activity is not prominent with none seen in seven hpf. No necrosis is seen. No pathology is noted in the overlying squamous epithelium

The features are consistent with are in keeping with dermatofibrosarcoma. Although the architecture is slightly loosely fasciculated in areas, definite features of fibrosarcomatous change are not seen. The tumour is focally at least 2.5mm from the deep margin, 4.6mm from the superior margin, 5.5mm from the inferior margin, at least 6mm from the medial margin and at least 9mm from the lateral margin.

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T: soft tissue T CHEST WALL m DFSP