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41 year old male. core biopsy from mass on right calf, ? benign nerve sheath tumour  
No previous RMH histology

#### MACROSCOPY

Right calf: 3 cores ranging from 10-15mm 1-3) AE

#### HISTOLOGY

Cores of skeletal muscle and fibrous tissue, with moderately cellular tumour, composed of patternless arrays or focally palisades of essentially bland spindle to ovoid cells with fibrillary cytoplasm and occasional intranuclear inclusions. The cells are plump, and atypia is focally at most mild. No definite mitotic figures are noted in 10hpf, and no tumour necrosis is seen.

The tumour is diffusely and strongly positive for S100 protein and SOX10. There is some focal h-caldesmon, although this marker is often aberrantly overexpressed in this laboratory. The tumour is negative for desmin, SMA, myogenin, CD34, STAT6, AE1/AE3 (focal likely aberrant staining only), EMA and beta-catenin (cytoplasmic expression only). The proliferation fraction by MIB1 is essentially low.

The features are consistent with schwannoma. No atypical features are noted in this biopsy.

Dr Magnus Hallin/Dr Khin Thway

T: soft tissue t calf m schwannoma