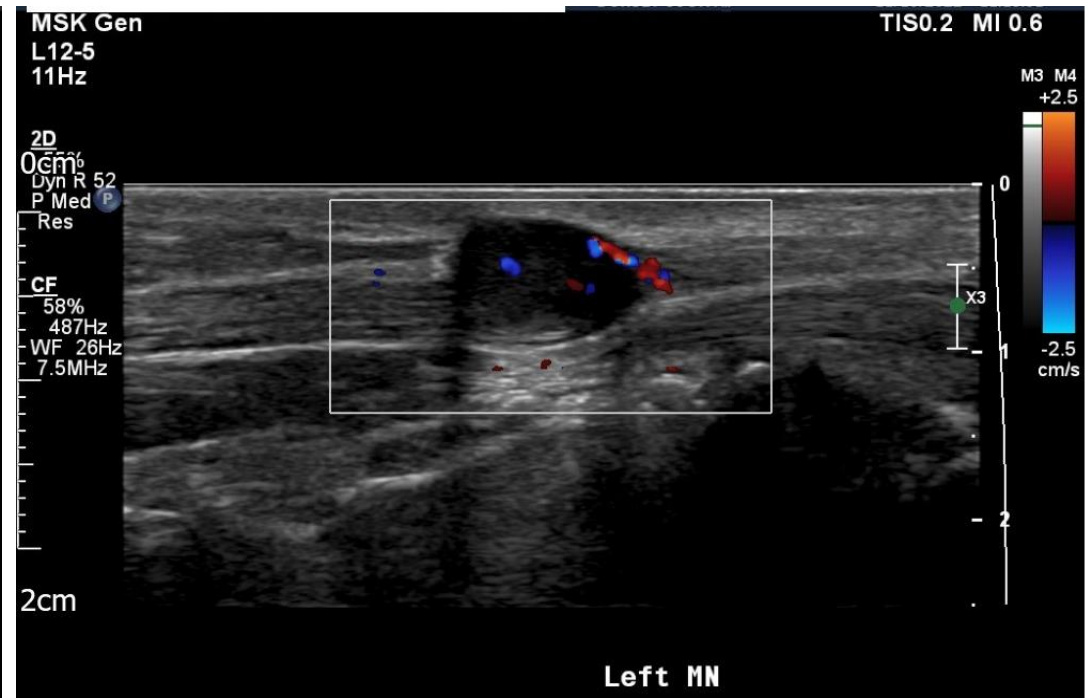


MSK Case no.2

January 2023

Clinical details: Orthopaedic referral

56 year old female. H/O open left distal radius fracture 4 years ago. Volar wrist swelling, ? Tendonitis from wrist plate.





Do not progress to the next slide until you have attempted to write a report.

Ultrasound report

Left wrist ultrasound with high frequency linear transducer

The swelling corresponds to a localised, well-circumscribed thickening of the median nerve measuring 10 x 9 x 7 mm. Internal vascularity is noted. Appearances are that of a peripheral nerve sheath tumour, probably a neuroma.

The plate appears flush with the bone and there is no evidence of surrounding tendinitis.

Summary:

Peripheral nerve sheath tumour of the median nerve, likely neuroma.

Additional Imaging

- Following discussion with the Orthopaedic Consultant an MRI was also obtained as a neuroma in the absence of tendinitis would not account for the fluctuant nature of the swelling.
- MRI reported a post traumatic neuroma, with unremarkable appearances of the flexor tendons.

Neuroma Fact File

- Traumatic neuromas are **rare benign tumours**. They consist of a tangle of neural fibres and connective tissue that develop following nerve injury.
- Patients usually presents with a firm, oval, slow growing, palpable and painful nodule, not larger than 2 cm. It may be associated with paraesthesia over the injured area.
- No standardised treatment, which ranges from conservative management to surgical options.