

Ultrasound Imaging in a Woman with Lateral Heel Pain

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SECTION 1 – Quiz

CASE

A 47-year-old woman dancer presented with right lateral heel edema and pain with a numbness sensation. The range of motion of her right ankle was normal. She had not previously undergone any surgery on the affected ankle. The physical examination revealed a right lateral heel mass at the posterior talus–calcaneus junction. The mass was characterized by a mild numbness sensation upon palpitation, which radiated to the lateral heel and foot. She underwent an ultrasound examination [Figure 1]. Figure 1a was obtained by placing the transducer between the peroneus muscle and Achilles, where the small saphenous vein and sural nerve are present. The subsequent ultrasound image revealed the long and short axis of a portion of the sural nerve [Figure 1b and 1c]. Magnetic resonance imaging was performed for further evaluation and localization [Figure 2].

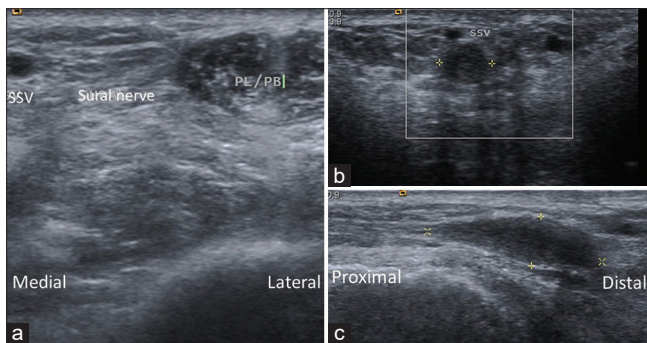


Figure 1: (a) Was obtained by placing the transducer between the peroneus muscle and Achilles tendon where small saphenous vein and sural nerve just there. (b and c) are ultrasound images of the long axis and short axis of part of the sural nerve. SSV: Small saphenous vein, PL: Peroneus longus muscle, PB: Peroneus brevis muscle

Declaration of patient consent

The authors certify that they have obtained all appropriate patient consent forms. In the form the patient has given her consent for her images and other clinical information to be reported in the journal. The patient understands that her name and initials will not be published and due efforts will be made to conceal her identity, but anonymity cannot be guaranteed.

WHAT IS YOUR IMPRESSION?

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Nil.

Conflicts of interest

There are no conflicts of interest.

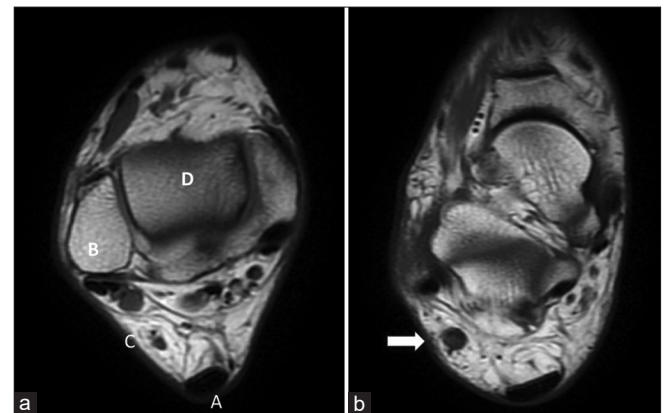


Figure 2: (a) A: Achilles tendon, B: Lateral malleolus of the fibula bone, C: Sural nerve and small saphenous nerve, D: Tibial bone. (b) Magnetic resonance imaging long axis T1 FSE signal revealed an enlarged part of sural nerve compared to Figure 2

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