

An Underdiagnosed Etiology of Lateral Hip Pain

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SECTION 1 – QUIZ

Case

A 53-year-old male is a regular jogger who runs approximately 6 km per day. He had a gradual onset of the right lateral hip pain for 3 months. The pain made him stop jogging 1 month before visiting the clinic of physical medicine and rehabilitation. He received an ultrasound examination for both sides of the hips. A linear transducer was first placed in the horizontal plane on the lateral hip. The ultrasound images on the anterior [Figure 1a] and lateral [Figure 1b] aspects of the greater trochanter were shown. The transducer was later shifted to a curvilinear type and put along the coronal plane of the lateral hip on the painful [Figure 2a] and asymptomatic sides [Figure 2b]. The structure indicated by a white arrow appeared to be the lesion.

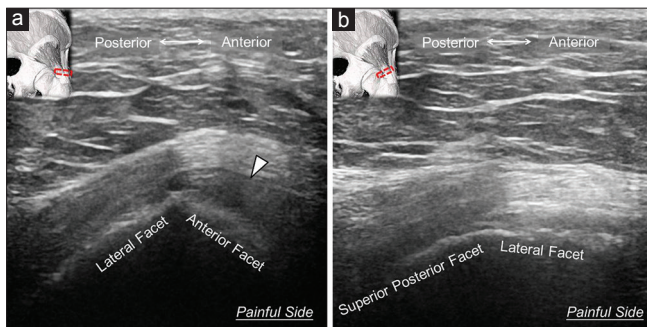


Figure 1: (a) We can clearly identify that the gluteus minimus tendon (white arrow head) on the anterior facet of the greater trochanter appears more hypoechoic and thickened than the anterior band of the gluteus medius tendon on the lateral facet. (b) The thickness and echogenicity of anterior and posterior bands of the gluteus medius tendon look similarly normal

WHAT IS YOUR DIAGNOSIS?

Declaration of patient consent

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 The patients understand that their names and initials will not be published and due efforts will be made to conceal their identity, but anonymity cannot be guaranteed.

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Nil.

Conflicts of interest

There are no conflicts of interest.

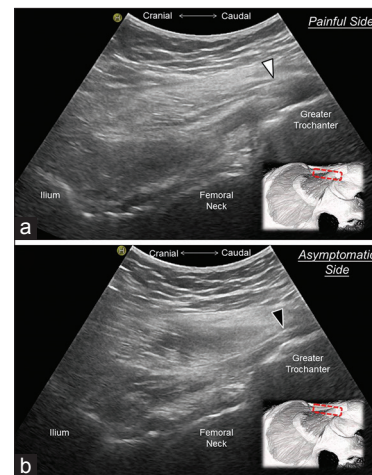


Figure 2: In the long-axis view (a), the gluteus minimus tendon (white arrow head) at the affected side appears more swollen than that of the contralateral side (black arrow head) (b)

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