

An atypical localization of lipoma

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Sir,

Lipomas are the most common benign soft-tissue tumors found in the body. Their localization in the foot is rare [1]. We present an atypical localization of lipoma.

A 48-year-old male presented to our department with a complaint of a mass of the bottom of his right foot. He reported that the mass has been present for approximately 10 years. He didn't report any previous episode of trauma. His medical history was unremarkable. Clinical examination revealed a firm, subcutaneous, well-circumscribed, 4 X 3 cm mass on the medial plantar area of the right foot. The mass was no pulsatile and freely mobile to underlying structures (Fig. 1). Ultrasound revealed a fatty mass underneath the plantar aponeurosis. The mass was excised and a yellow gelatinous tumor was removed. Histological examination of biopsy specimens revealed lobules of mature adipose tissue typically circumscribed and encapsulated. No recurrence has occurred after 6 months.

Lipomas are benign tumors accounting for 16% of all soft tissue tumors in the body. The foot is rarely affected by lipomas. Moreover, most reported cases are in the peri malleolar area [1].

Lipomas are usually asymptomatic unless they apply pressure to adjacent sensitive tissue [2].

Different subtypes were described depending on the presence of other components, such as cartilage (chondrolipoma), bone (osteolipoma), muscle (myolipoma), vascular proliferation (angiolipoma) or abundant myxoid changes (myxolipoma). The



Figure 1: Clinical image showing a subcutaneous, well-circumscribed, 4 X 3 cm mass on the medial plantar area of the right foot.

combination of these elements present in the same tumor led to other terms like angiomylipoma [3]. This case report presented a rare form of lipoma which affected the medial plantar area. This rare should be considered in the differential diagnosis and histopathology should help in the diagnosis. Lipofibroma and lipoblastoma are the main differential diagnosis to consider in this localization with different prognosis [4].

Consent

The examination of the patient was conducted according to the Declaration of Helsinki principles.

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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