

Clinica-Medical Image

A Painless Tumor of the Finger

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Figure 1: A mass over the dorsal side of the index finger.



Figure 2: Radiograph showing a soft tissue mass.



Figure 3: Ultrasound showing superficial hyper vascular tissue nodule.



Figure 4: Surgery of the mass with a dorsal incision.



Figure 5: Macroscopic aspect of the tumor.

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Clinical Image

A 61-year-old right hand dominant female presented to us for a painless mass over her right index finger for 15-years. The patient reported increases in size in recent years. Physical examination revealed a painless 2×1 cm firm mass over the dorsal side of the index finger (Figure 1). The mass was well defined, with regular surface, and not tender. The pulse was present. The mobility of the finger was conserved. Tinel's sign was not detected at the mass. Radiograph showed a soft tissue mass without calcification (Figure 2). There was no bony involvement.

Ultrasound showed superficial hyper vascular tissue nodule of the dorsal surface of the right index, independent of the distal interphalangeal joint and the bone, coming in close contact with the extensor tendon (Figure 3). The magnetic resonance imaging was not done. The mass was excised through a dorsal incision (Figure 4). Intra-operative findings were a 2×1 cm width 2 cm depth tumor (Figure 5). The microscopic features showed smooth muscle proliferation and thick wall vascular channels. The smooth muscle appears radiating from the vascular wall. The diagnosis was vascular leiomyoma. No complication related to the surgery was observed.