

- Abstract -

Bilateral Achilles Tendon Xanthoma without Hypercholesterolemia
- A Case Report -

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Xanthoma is a localized collection of tissue histocytes containing lipid. The majority of tendinous xanthomas probably occurs in the setting of hypercholesterolemia especially in bilateral Achilles tendon xanthomas. Xanthoma of the Achilles tendon is a rather rare, interesting orthopaedic condition that has important ramifications in internal medicine and dermatology because the lesion is associated with a specific disturbance of lipid metabolism. We experienced one case of normolipidemic and symptomatic Achilles tendon xanthoma. Surgical intervention was carried out for cosmetic and symptomatic reasons, the patient undergoing total resection and a reconstruction of the Achilles tendon by the combined V-Y muscle flap and modified Lindholm technique.

Key Words : Xanthoma, Achilles Tendon

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2270

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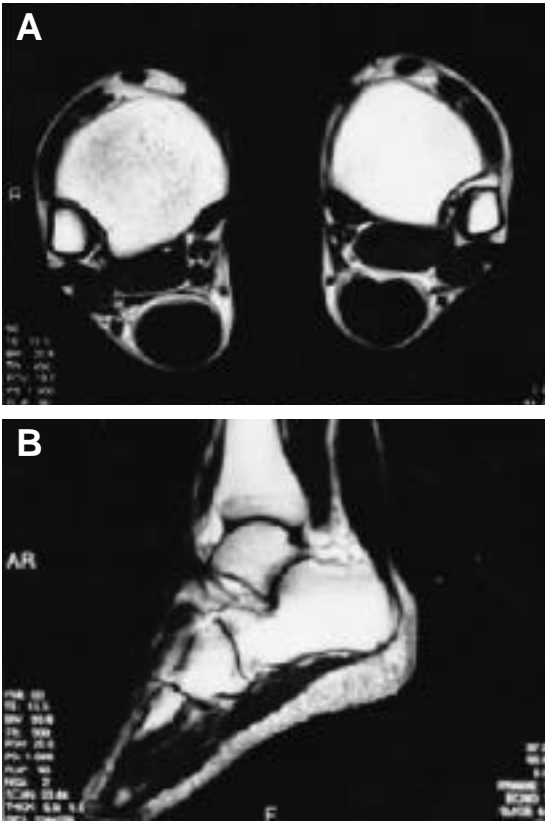


Fig. 1-A. Sagittal T1-weighted MR image shows diffuse increase in size of Achilles tendon with parallel vertical striations of increased signal intensity in tendon substance.

B. Axial T1-weighted MR image shows enlarged tendon with convex anterior margin. Diffuse stippled pattern presumably caused by collagen is surrounded by high-signal foamy histocytes and inflammatory reaction.

convexity margin

(Fig. 1-A,B). : (ESR) 5 mm/hr, (Cholesterol) 156mg/dL(130-230mg/dL), (HDL) 61mg/dL(35-60mg/dL), (TG) 92mg/dL(30-190mg/dL), (LDL) 76.6mg/dL

: 3x7cm 가 V-Y (Fig. 2).

(Fig. 3).

Fabey ²⁾ 173

가 90%

가

7.9)



Fig. 2. The intraoperative photograph showed egg sized, yellowish mass of the Achilles tendon.

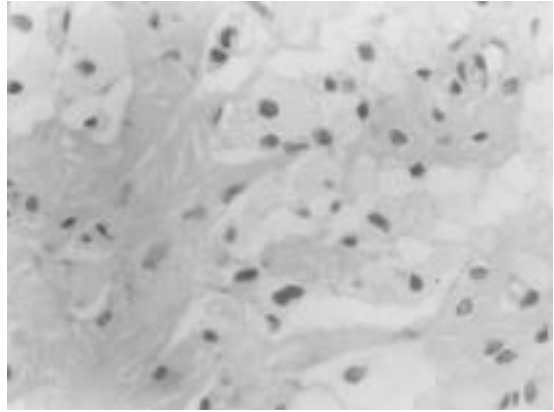


Fig. 3. The photomicrograph of the excised mass (H & E, ×450) showed scattered xanthoma cells with multinucleated giant cells.

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가⁵⁾.

1) 4) Parker⁸⁾

2) 3) Mancuso⁶⁾

Lp(a)가

3)

60%

3)

(7cm) V-Y Lindholm

16