

Clinical Image

Usefulness of Tunnel Carpal Syndrome Ultrasonography after Surgery: A Case Report

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Clinical Image

Carpal tunnel Ultrasonography follow up surgery might detect abnormal echo structural median nerve and location of compression. A 59-year-old patient presented a recurrence of carpal tunnel syndrome 6 months after surgery. Ultrasonography (US) examination showed a hypoechoic and hyperhaemic median nerve under the flexor retinaculum with an hourglass appearance linked to a 1.8 cm area of fibrosis responsible for nerve compression (Figure 1) [1,2].

A new surgical management consisted in iterative open neurolysis and coating with a Cova collagen membrane to prevent the appearance of new adhesions (Figure 2). Three months later, the patient was asymptomatic. US has been useful to identify structural abnormalities of the median nerve and more importantly the location of the compression to guide surgery.

Keywords: Ultrasonography; Carpal tunnel syndrome; Surgery; Median nerve

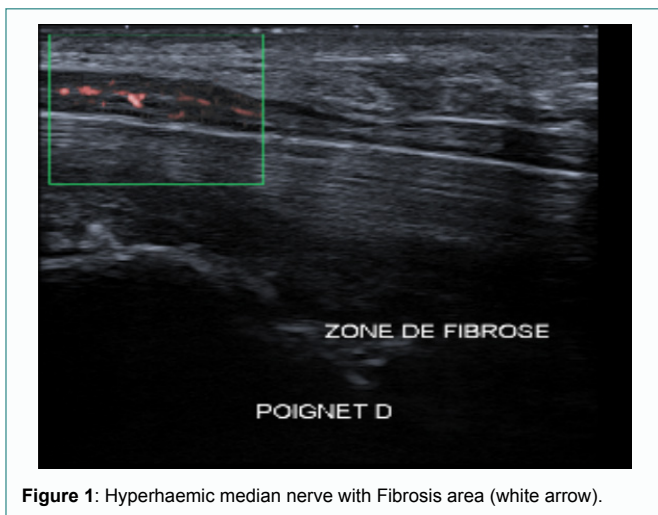


Figure 1: Hyperhaemic median nerve with Fibrosis area (white arrow).



Figure 2: A Cova collagen membrane between the median nerve and flexor retinaculum.

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