

Wartenberg's Syndrome or Angiodynia: Ultrasound Differentiation

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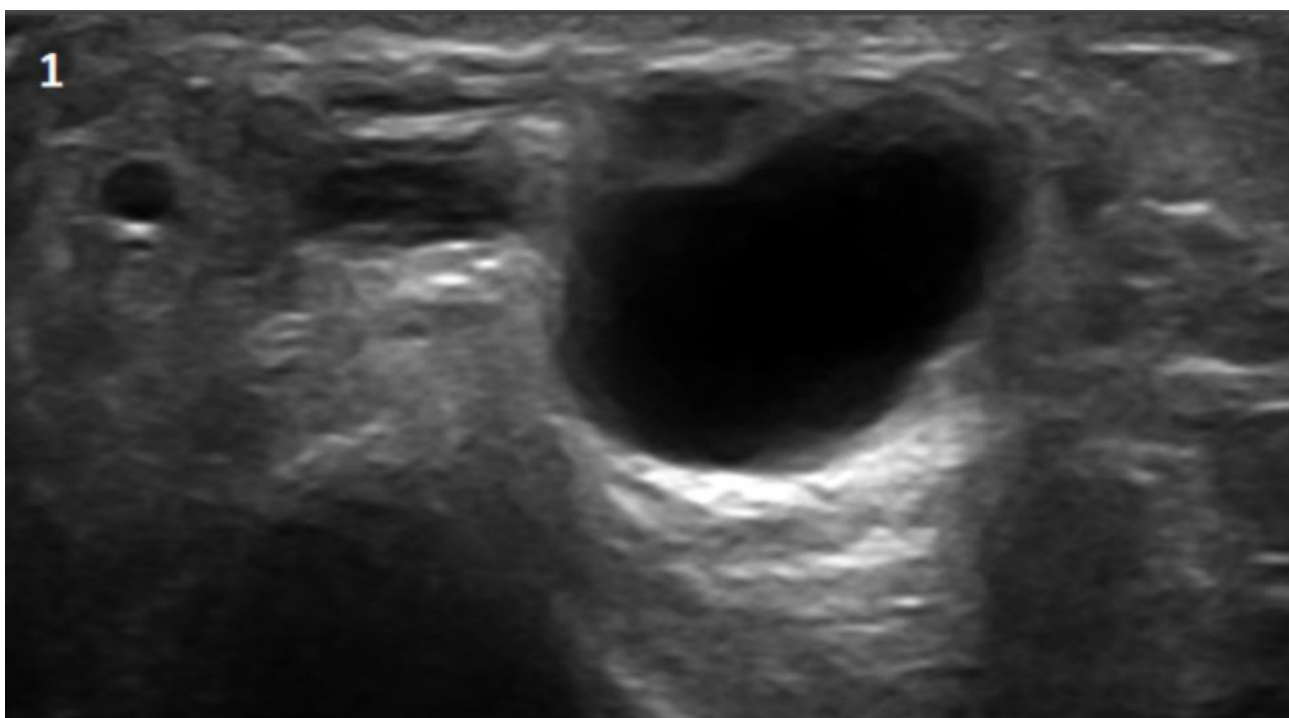
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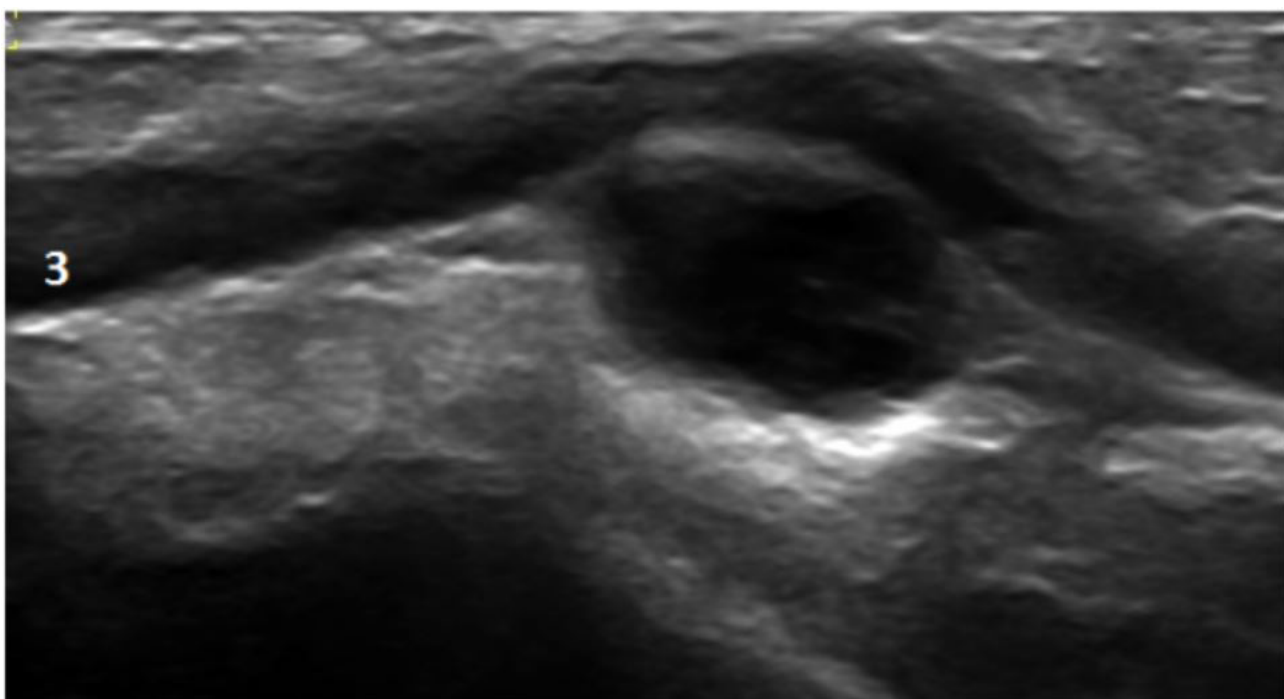
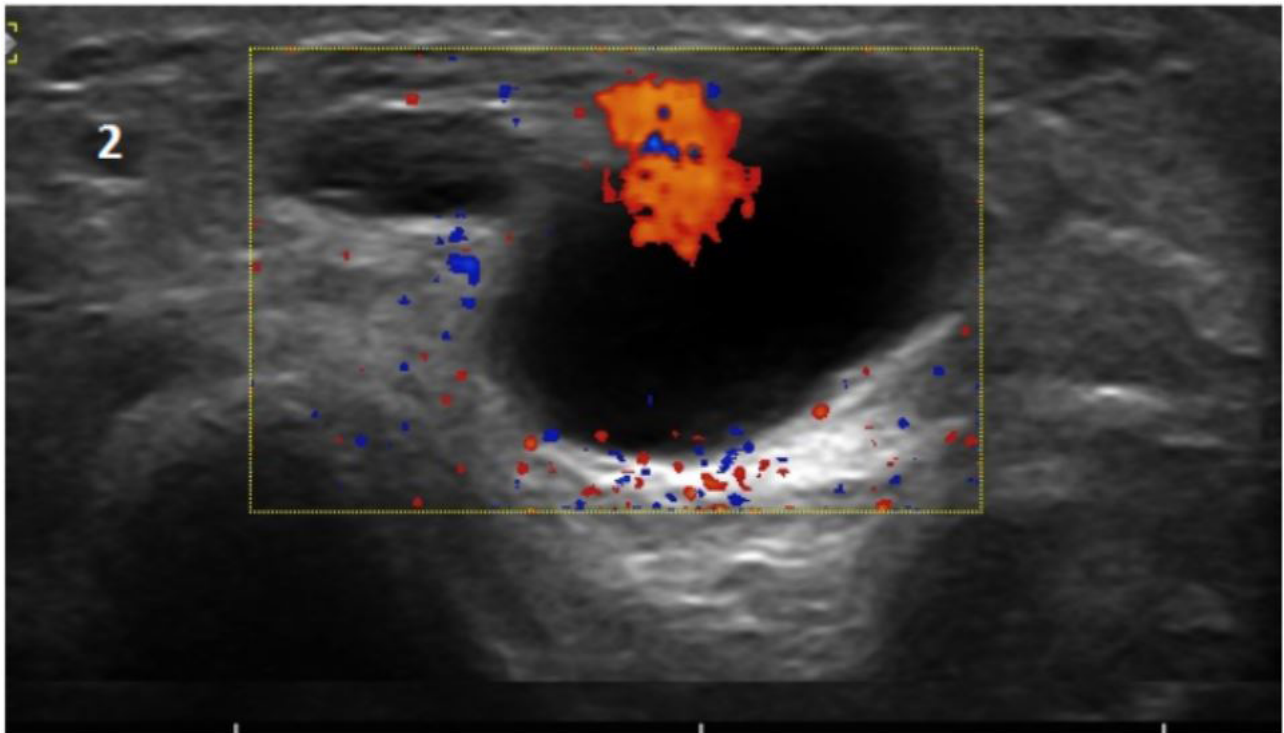
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Text

Wartenberg's syndrome is a painful mononeuropathy of the superficial radial nerve in anatomical snuffbox. This condition is usually related to tenosynovitis or surgical regional procedures, and it is characterized by pain irradiating to finger I with wrist movement, palpation or even simple touch, and is usually associated with hypoesthesia in the latero-dorsal region of the hand.

A 31-year-old patient with previous De Quervain's tenosynovitis surgery and an asymptomatic ganglion in the latero-anterior region of the right wrist diagnosed five years ago. Recently the pression and movement the ganglion triggered pain with irradiation to the latero-proximal region of the hand and intense functional impotence (manual worker). The examination of the arterial pulses was normal. Ultrasonography showed a ganglion (parameters in description), which contacted the radial artery with minimal manipulations. The artery was located somewhat lateral to its usual course (Figure 1), and in dynamic study the ganglion mobility showed some vascular deformity, as well as intense pain but no significative arterial flow modification.





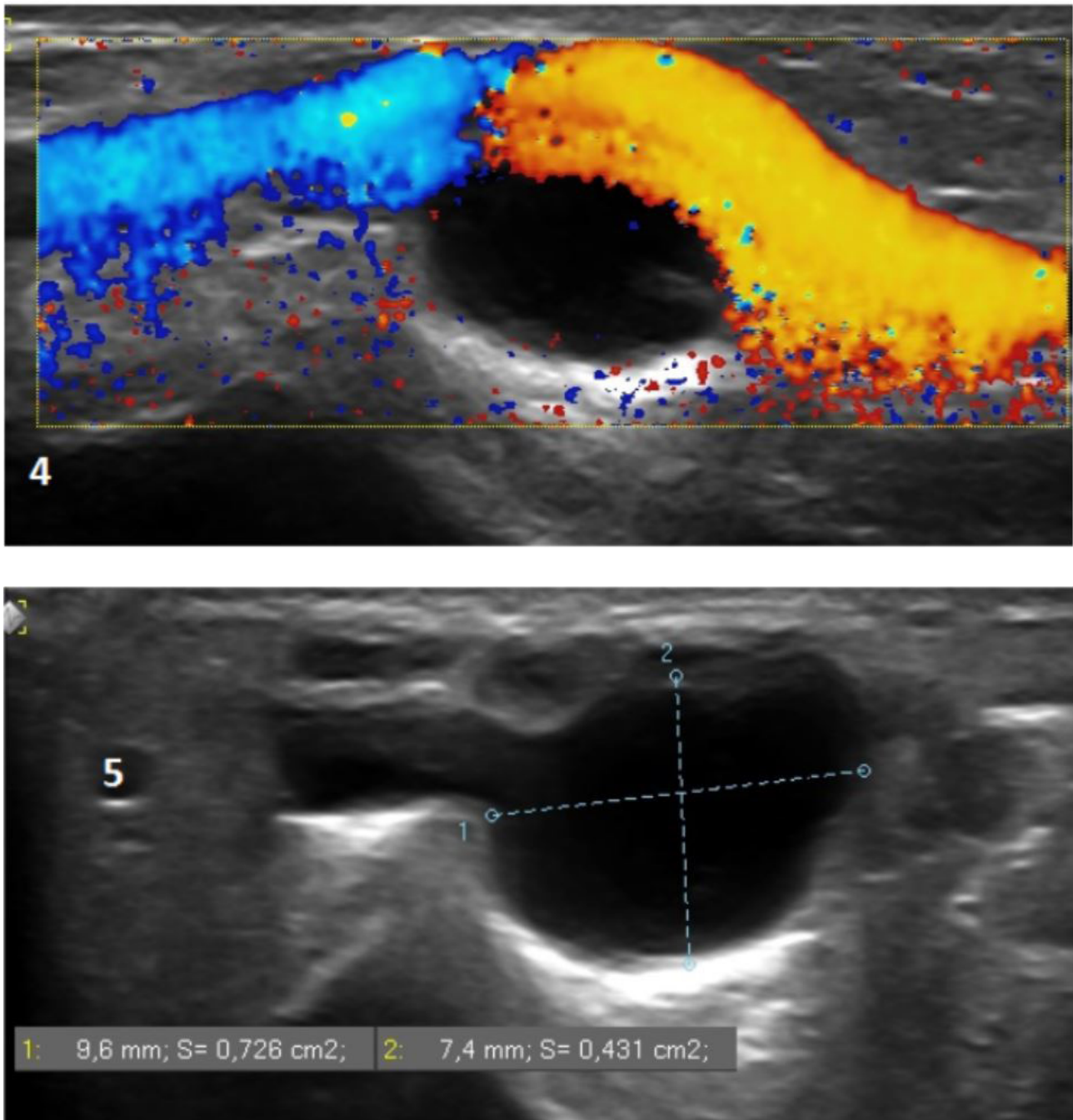


Figure 1: 1 and 2 (doppler), transversal ultrasound image. Over the lateral and superior aspect of ganglion is visible the radial artery; 3 and 4 (doppler), longitudinal ultrasound image. Ganglion: Oval and hypo-anechogenic echostructure. The radial artery is situated over the superior border of the ganglion; 5, Ganglion measures: length 1.5 cm, antero-superior diameter 0.74 cm, transversal diameter 0.96 cm