



DERMOSCOPY AND SKIN IMAGING

## UNUSUAL ULTRASOUND PRESENTATION OF A SPIROADENOMA: CASE REPORT

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Background: Atypical ultrasound presentation of multiple spiroadenoma

Observation: In May 2018 a 32-year-old woman presented with a solid painful mass in the left soft supraclavicular tissues, occurred 5 years ago, recently increased.

In 2016 an ultrasound and MRI and RX examination were performed in another Hospital, which had identified the presence of one lesion compatible with reactive lymph node.

Our ultrasound examination using probes with a frequency of 18 Mhz and 20 Mhz revealed the presence of two polylobed distinct hypoechoic images of 3 and 5 mm, the smallest in the dermis with greater echogenicity in the central region, almost mimicking a lymph node, and the other, deeper, in contact with the fascial plane.

Given the non-univocality of the diagnosis, it was decided to proceed with surgical excision, and in both cases an eccrine spiradenoma was diagnosed. There are few publications on the ultrasound aspect of spiroadenoma and, although the possibility of multifocality is reported, there are no imaging studies that describe two contiguous spiroadenomas, as in our case. Moreover all the cases described show that the most frequent site is the subcutaneous adipose tissue, rather than the dermis. In all the cases reported the lesions were echographically hypoechoic, most of them with presence of internal resembling areoles and presenting peripheral or central signals at Color-Doppler evaluation. In our case the lesions were one in the dermis and the other in the adipose tissue, both hypoechoic, only the deepest with a lobulated appearance, while the superficial appeared oval. The simlicistic areola were few and there were no vascular signals.

Key message :It is possible the occurrence of two spiroadenomas in the same site but located at different depths ; it can also present as oval and homogeneously hypoechoic and the lesion is not necessarily vascularized.

