Clinical Image

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The overlooked value of ultrasound in the perioperative care of ovarian immature teratoma

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Description

Ovarian immature teratoma is a rare malignant tumor that appears in young women [1,2]. Diagnosis can be challenging due to the lack of characteristic features in ultrasound or CT/MRI images, and is usually achieved through the anatomo-pathological analysis [1].

Treatment normally involves oophorectomy, which may affect fertility in these patients [3].

The clinical image we are presenting belongs to a 28-year-old female patient suffering from abdominal pain. MRI findings suggested a benign dermoid cyst (Figure 1), which was discordant with the ultrasound findings that suspected an immature teratoma.

Figure 1:
Ultrasound image (Figure 2) showed an 8 centimeters solid-cystic tumor with central vascularization in the Doppler study (score 3). The presence of vascularization, despite not being a pathognomonic sign, should be taken into account by the clinician and consider malignancy [1,2].

With the presentation of this image, we aim to remark that suspicious findings in ultrasound image may lead to a better preoperative counseling regarding patient’s fertility.

References