

EP11.24 Mesonephric-like adenocarcinoma of the ovary: ultrasound presentation — large solid adnexal mass with metastatic disease

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Introduction

Mesonephric-like adenocarcinoma (MLA) is an uncommon ovarian malignancy with aggressive behavior, and nonspecific clinical and imaging presentation.

Case

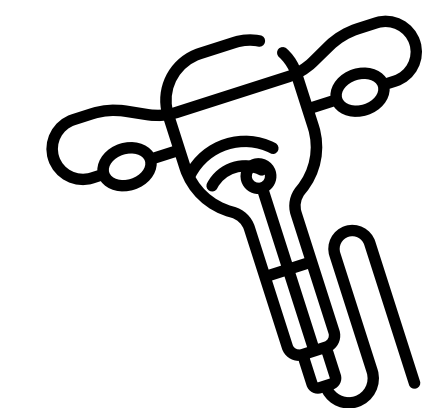
A 79-year-old woman, frail and burdened by multiple comorbidities, presented with several weeks of pelvic pain, left-sided flank discomfort and a palpable firm indurated abdominopelvic mass. Serum CA125 = 239 U/mL.

1. Transvaginal ultrasound (TVS)

Uterus: anteverted and mobile.

Myometrium: heterogeneous with multiple small nodules compatible with leiomyomas.

Endometrium: atrophic.



Left adnexa: unremarkable.

Right adnexal mass: *Figures 1 and 2.*

Solid mass (111 mm × 66 mm × 58 mm) with regular borders, heterogeneous echotexture, posterior acoustic shadowing and irregular cystic areas; color score 3.

Anechoic fluid in the pouch of Douglas (~9 mL).

Ascites: absent.

2. Risk-of-malignancy assessment

IOTA ADNEX: 75.1% overall risk of malignancy; 59.8% risk of stage II–IV primary adnexal cancer.

O-RADS 5.

3. CT thorax/abdomen/pelvis

Peritoneal implants and multiple liver metastases.

4. Ultrasound-guided liver biopsy

Metastatic mesonephric-type carcinoma

The patient developed progressive multifactorial acute kidney injury and, considering advanced age, frailty and comorbidity, was managed palliatively and subsequently died.

Conclusion:

Ovarian MLA may appear as a large solid adnexal mass with heterogeneous internal structure, shadowing, necrotic cystic changes and moderate Doppler flow. In patients with metastatic disease, focused gynecologic ultrasound combined with IOTA ADNEX or O-RADS can help guide prompt escalation to image-guided assessment of disease dissemination and biopsy.

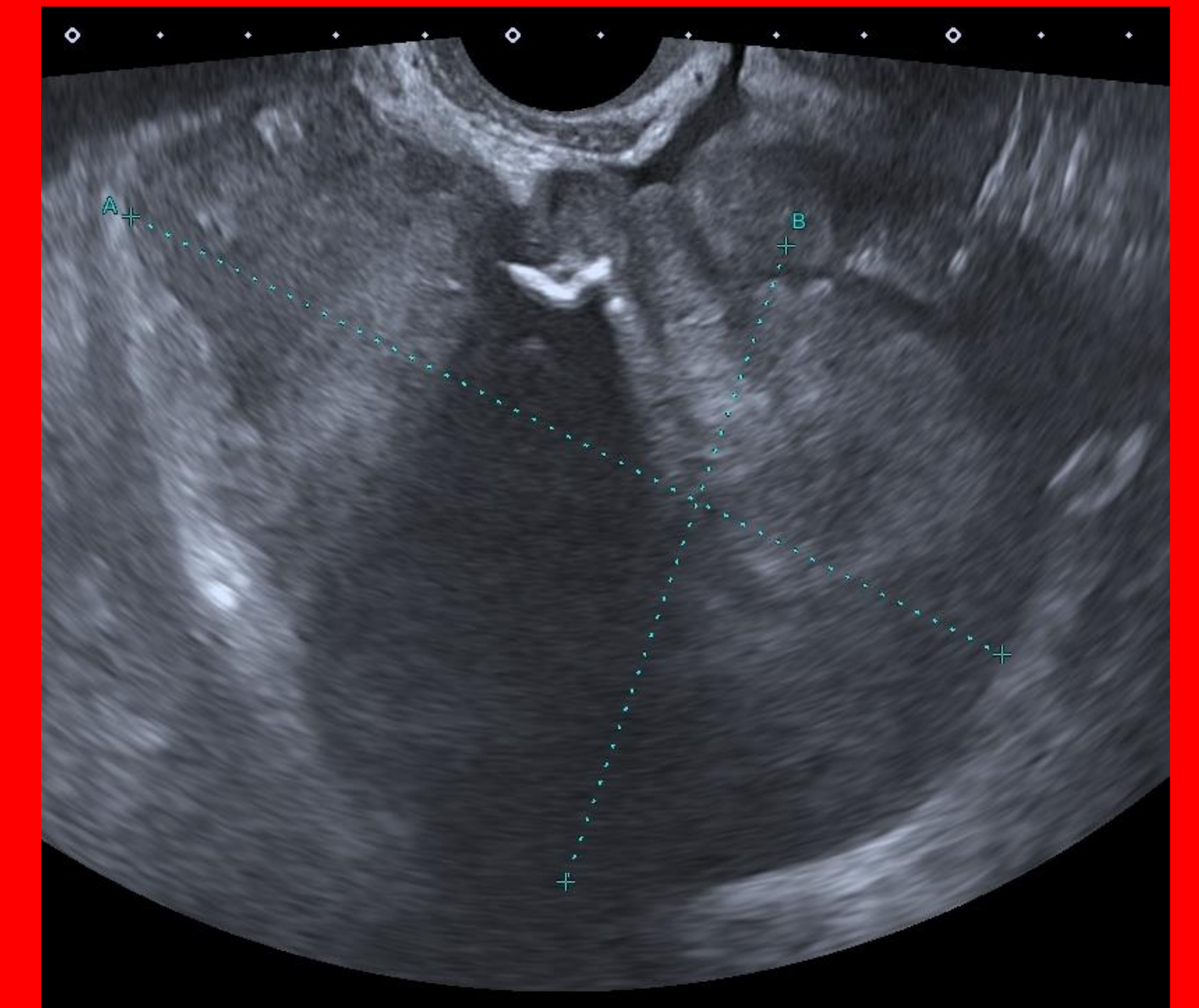


Figure 1.

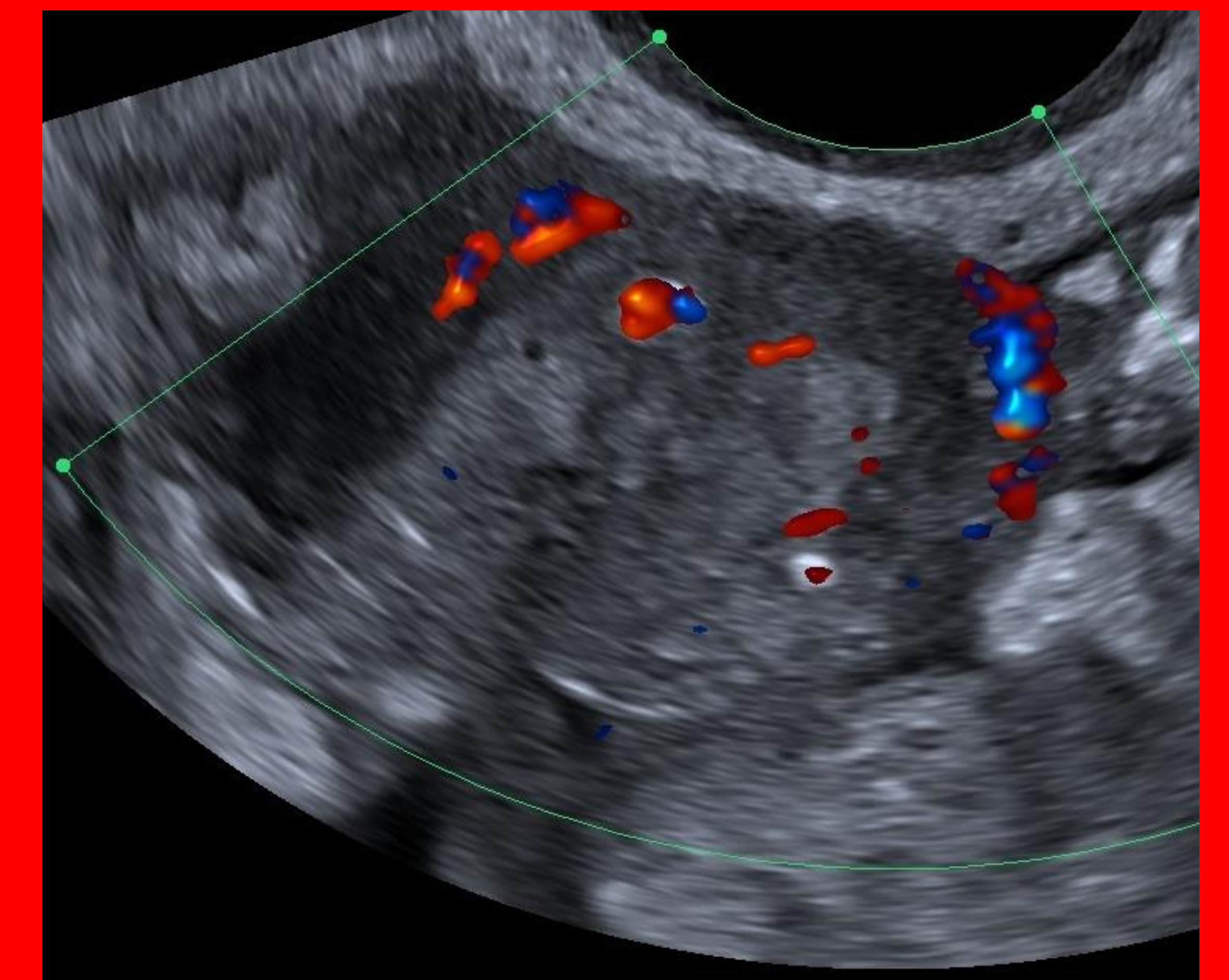


Figure 2.

Right adnexal mass on TVS:

Figure 1. Gray scale.

Figure 2. Color Doppler.