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Diffuse large B-cell lymphoma of the uterus and ovaries

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Introduction

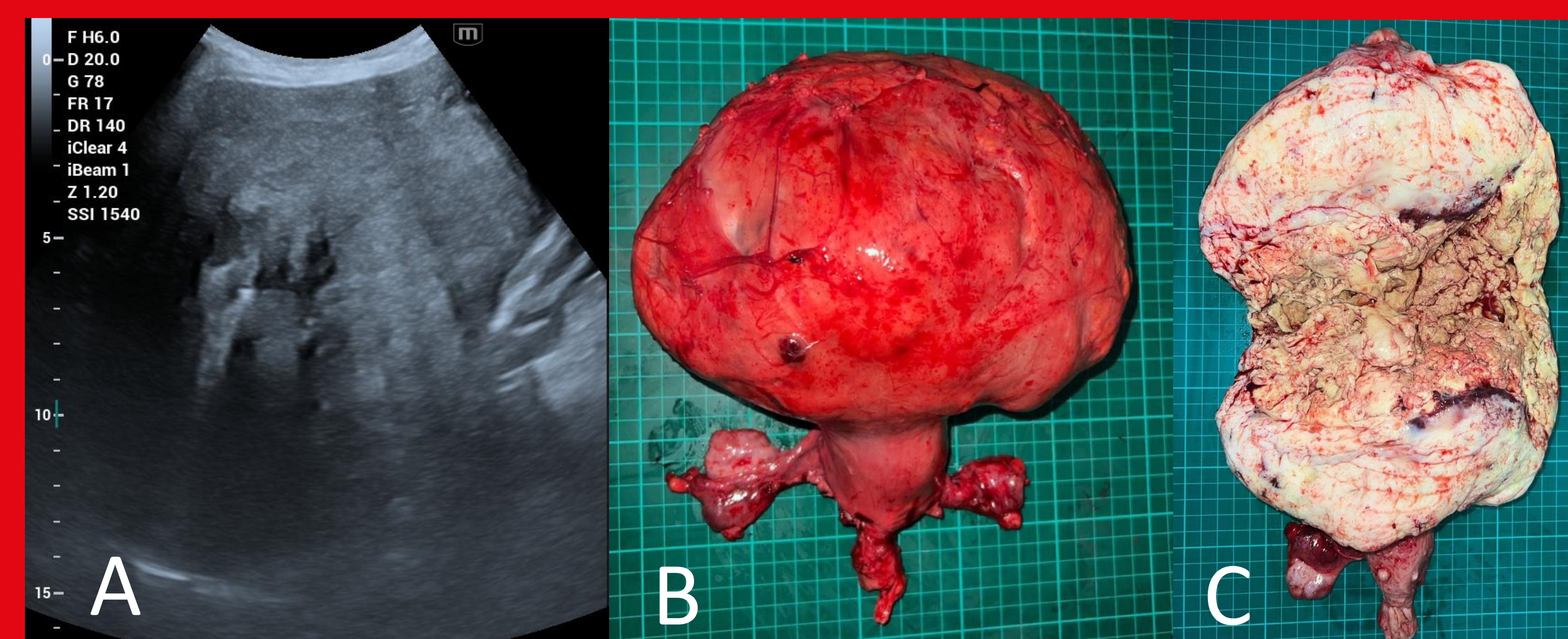
Lymphoma involving the female genital tract is rare and may resemble more common gynecologic diseases, making preoperative diagnosis challenging.

Case

We report a case of a 60-year-old G2P2 (2002) with a history of multiple uterine myomas who presented with postmenopausal vaginal spotting, uterine enlargement equivalent to 22 weeks' size, and anemia. Ultrasound demonstrated an enlarged uterus with multiple myomas, including a large pedunculated myoma measuring 16.6 × 17.6 × 11.6 cm, an endometrial mass suggestive of a polyp, and a suspicious non-atrophic right ovary with increased vascularity. Due to suspected endometrial malignancy, the patient underwent total hysterectomy with bilateral salpingo-oophorectomy. Histopathology revealed diffuse large B-cell lymphoma involving the uterus and ovaries.

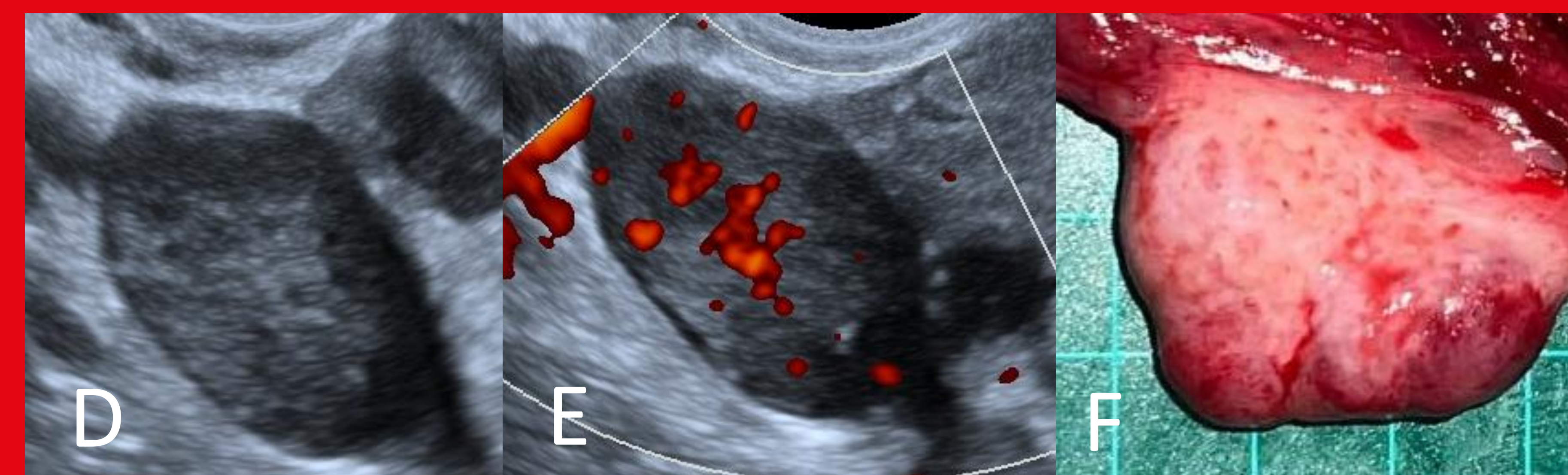
Conclusion

This case highlights that lymphoma may mimic common gynecologic pathologies on ultrasound and emphasizes the need to consider hematologic malignancies in the differential diagnosis of atypical uterine or ovarian findings.



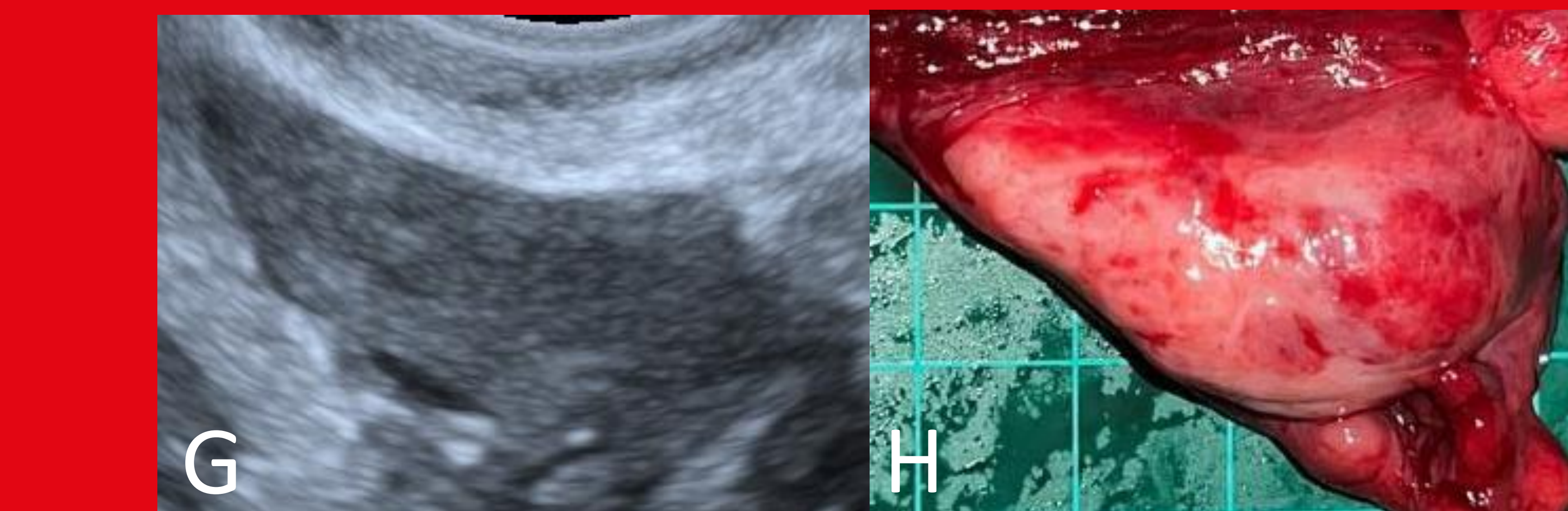
Ultrasound images and gross specimen of the patient:

(A) Transabdominal ultrasound showed enlarged uterus with multiple myometrial masses with posterior acoustic shadowing, the largest measuring 16.6 x 17.6 x 11.6 cm, which was a pedunculated, subserous, FIGO Grade 7. (B) Gross specimen showed an enlarged uterus with fundal mass, which on cut section (C) showed whorled-like pattern and areas of degeneration.



(D) The right ovary measures 2.8 x 2.6 x 1.4 cm (volume: 5.2 cc) with smooth contour and heterogeneous echopattern, (E) and with moderate central vascularity.

(F) Gross specimen of the right ovary measures 3.5 x 2.0 x 1.2 cm.



(G) The left ovary is atrophic measuring 1.4 x 2.1 x 1.1 cm (volume: 1.7 cc).

(H) Gross specimen of the left ovary measures 2.5 x 1.5 x 1.5 cm. Cut section of the ovaries showed mottled tan-yellow to cream-white, smooth surfaces (not shown).