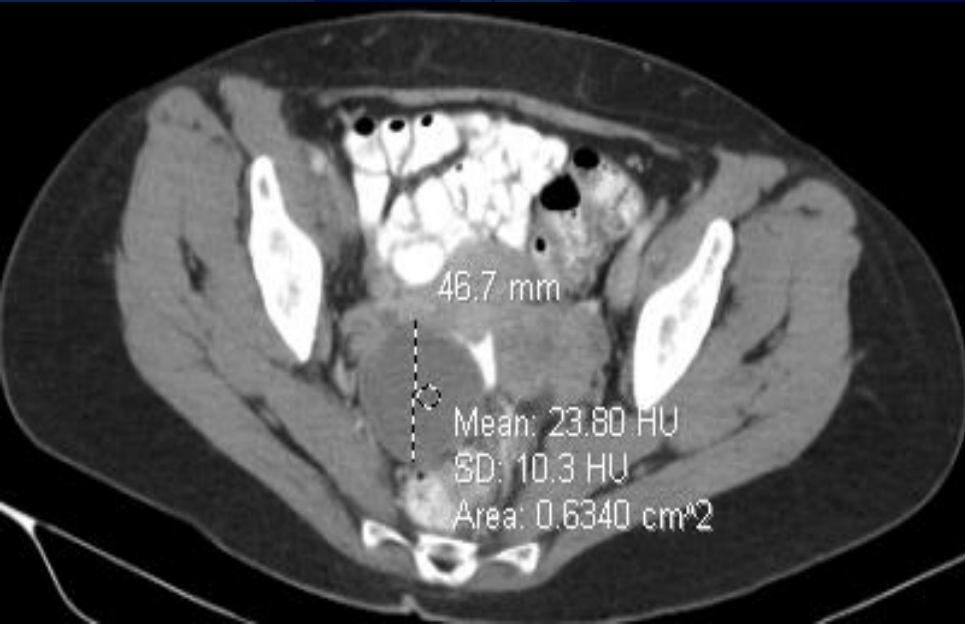


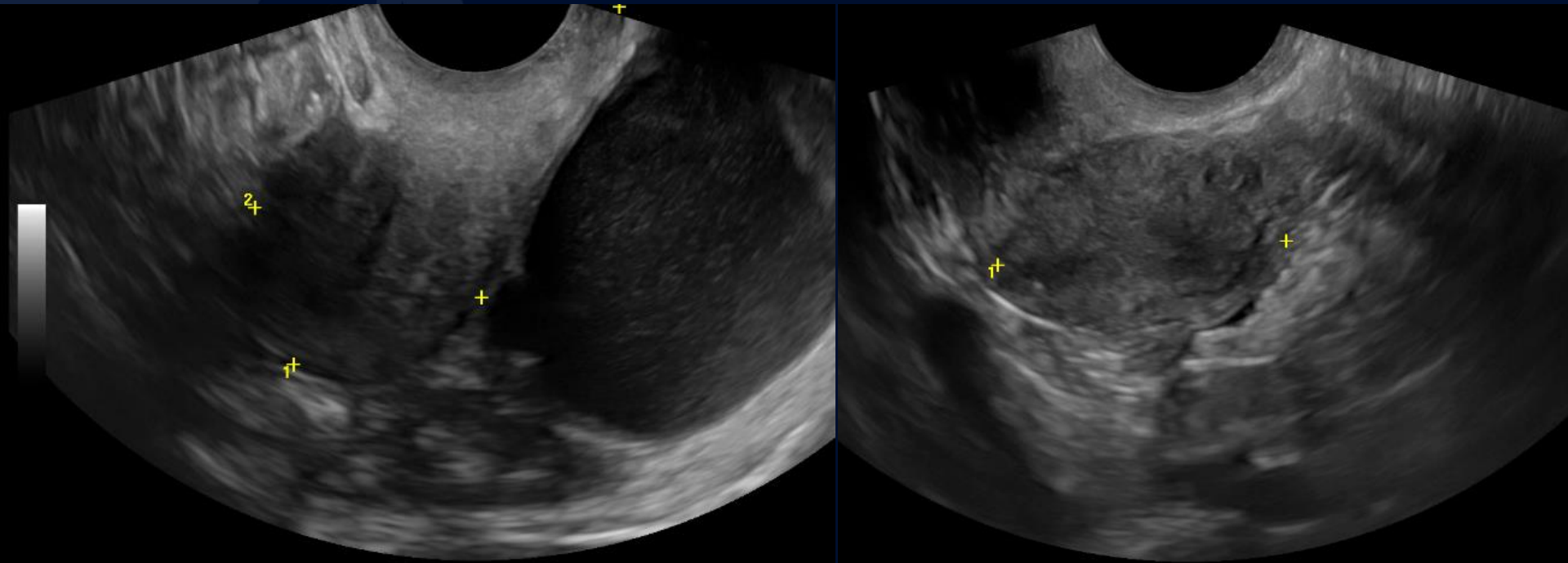
52-year-old female with
dermatomyositis presenting with
5 days of worsening dysphagia

Padmini Karamchedu, MS3

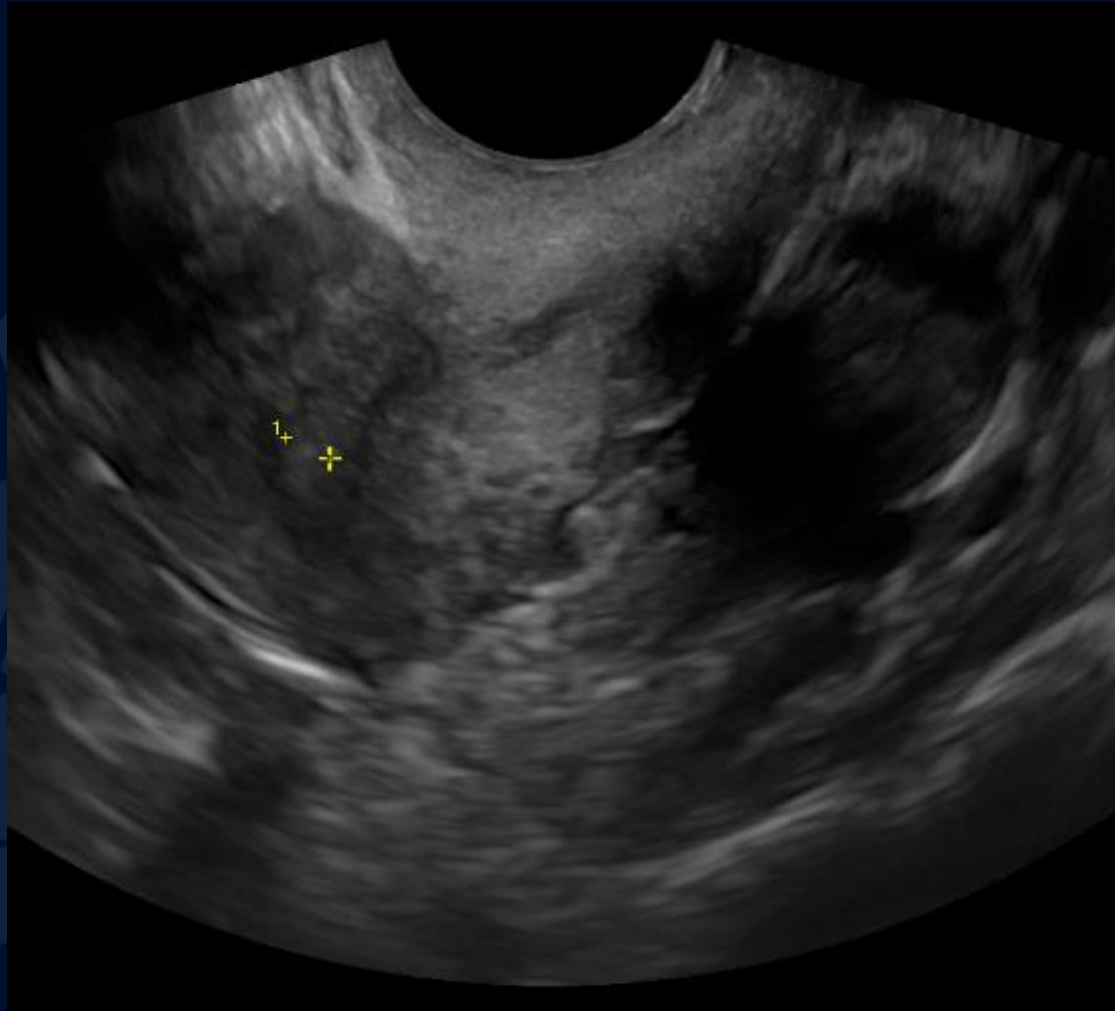
CT IV Contrast



Transvaginal Ultrasound

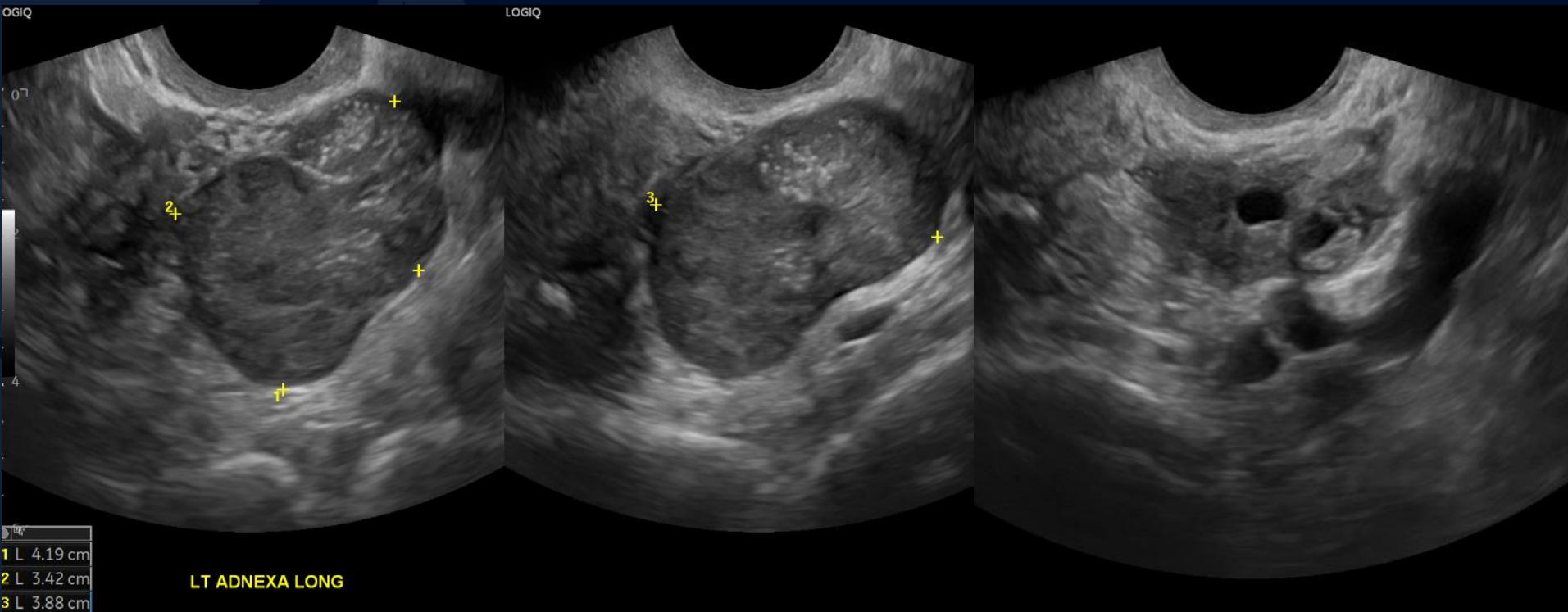


Transvaginal Ultrasound



Endometrium longitudinal view

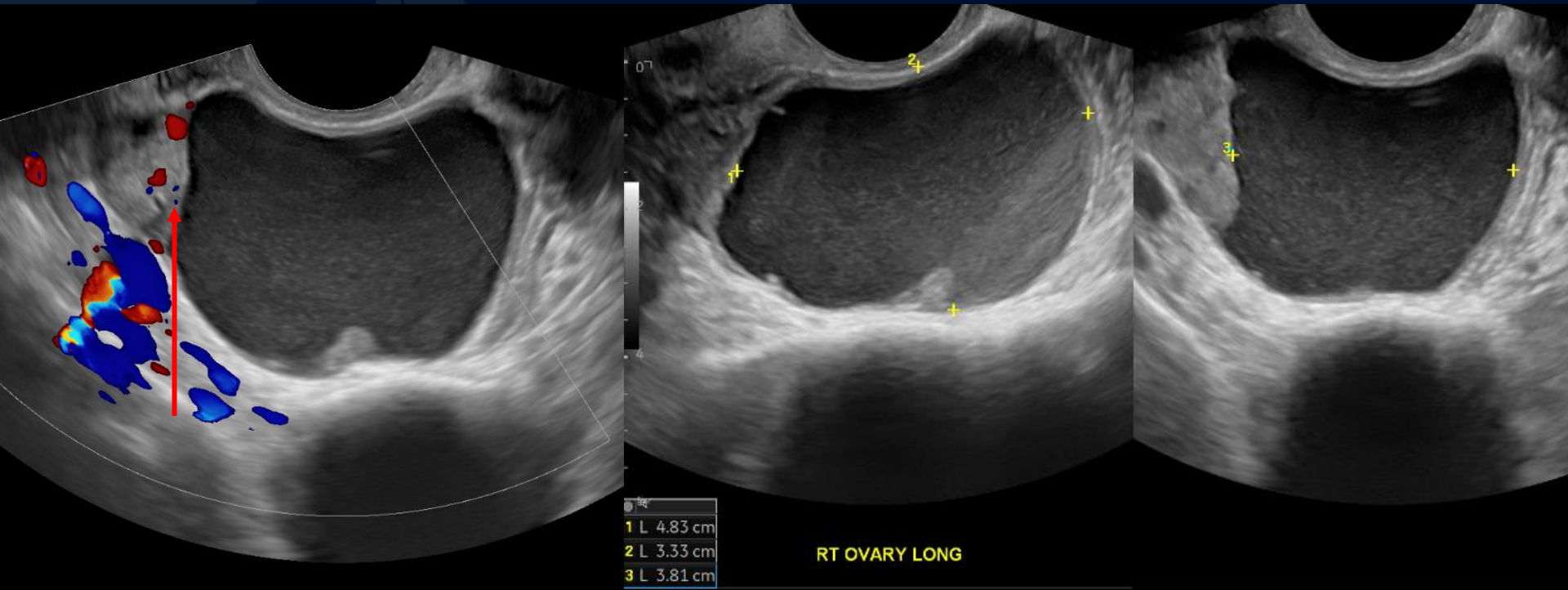
Transvaginal Ultrasound



Adnexa longitudinal view

Adnexa transverse view

Transvaginal Ultrasound



A large, stylized oak leaf graphic in a dark blue color, positioned on the left side of the slide. It features detailed vein patterns and a lobed edge.

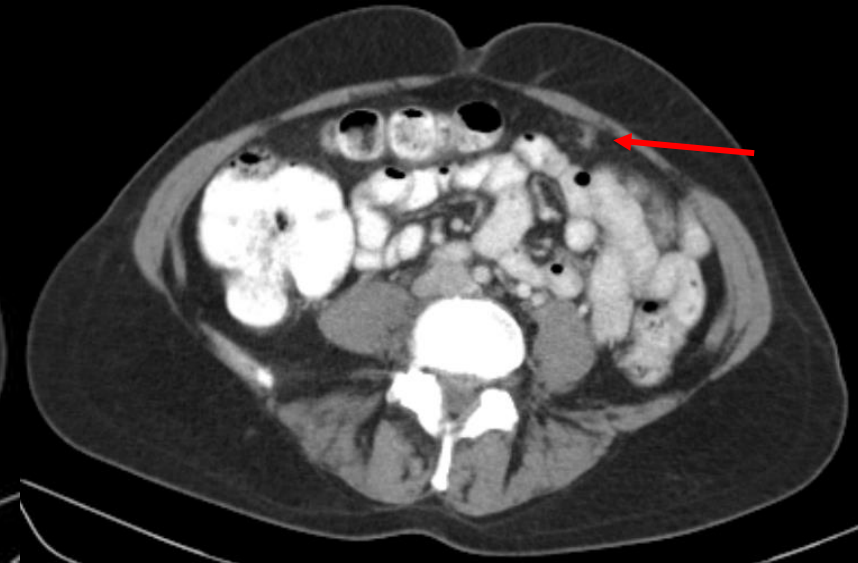
?

High-grade Serous Ovarian Carcinoma

CT IV Contrast

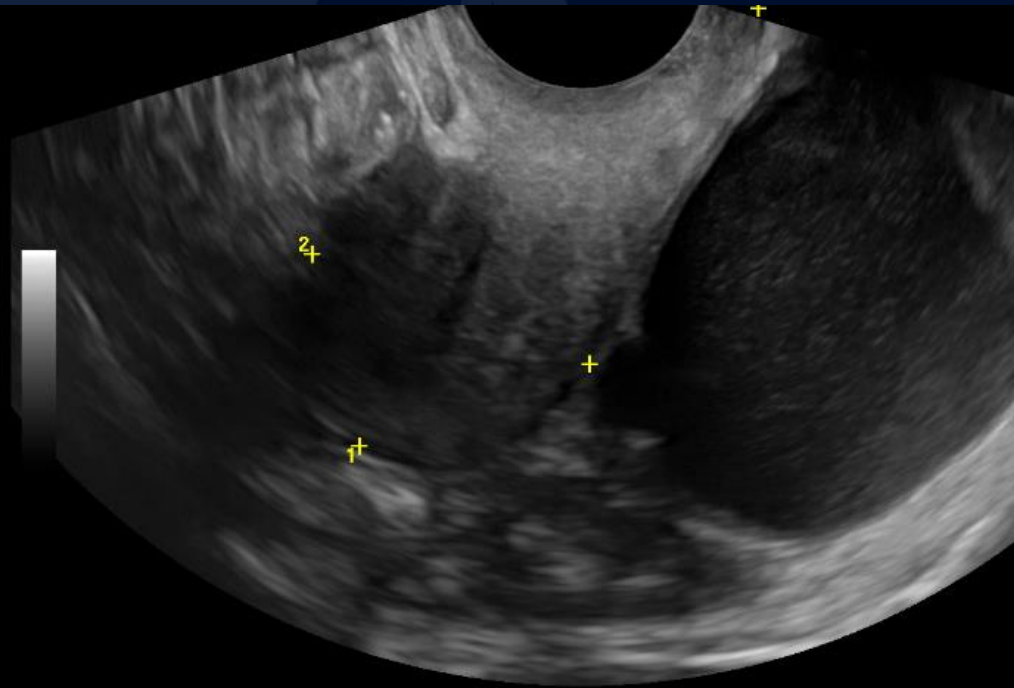


Right ovarian mass

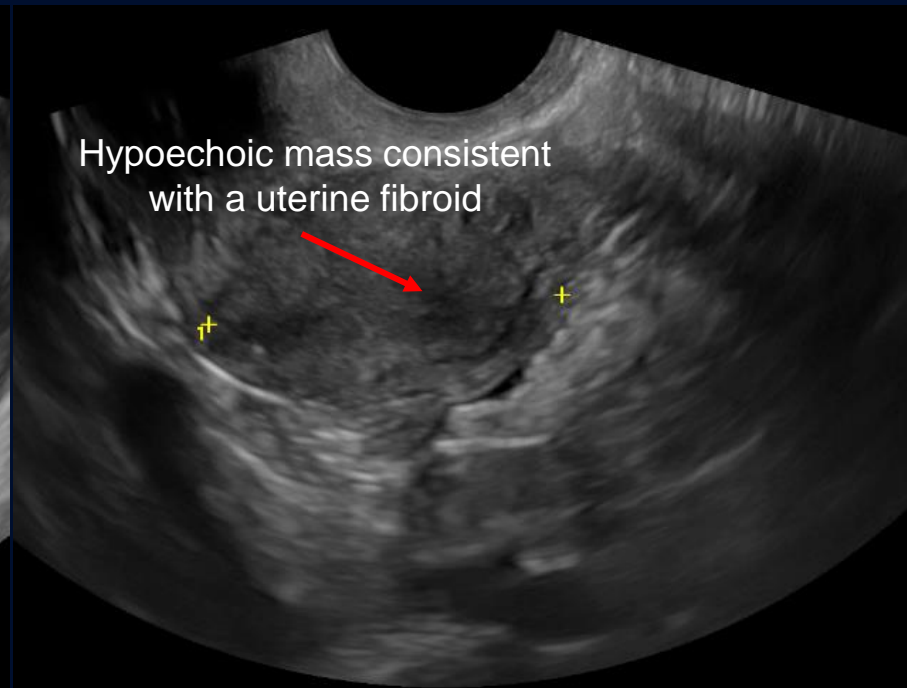


Solid soft tissue nodule in the omentum

Transvaginal Ultrasound

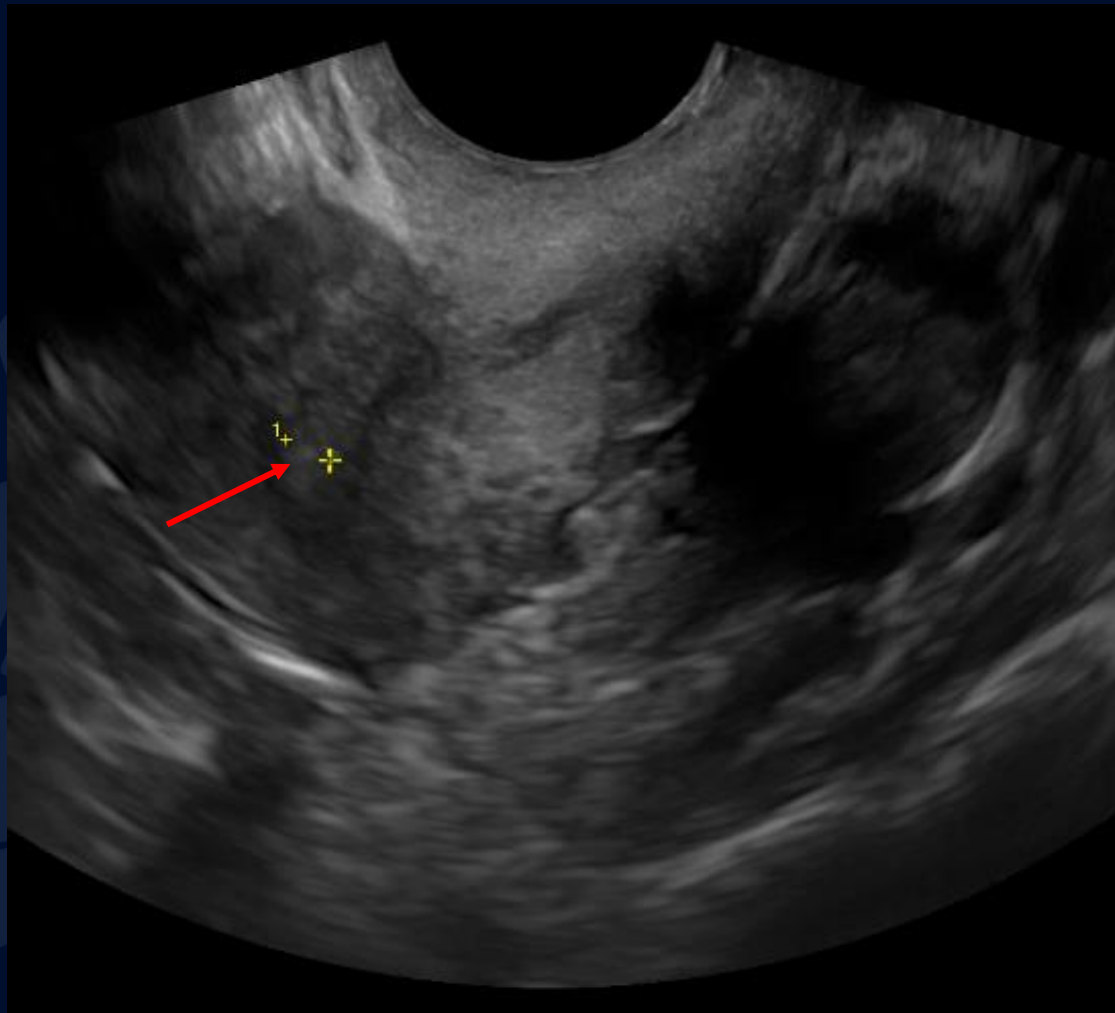


Uterus longitudinal view



Uterus transverse view

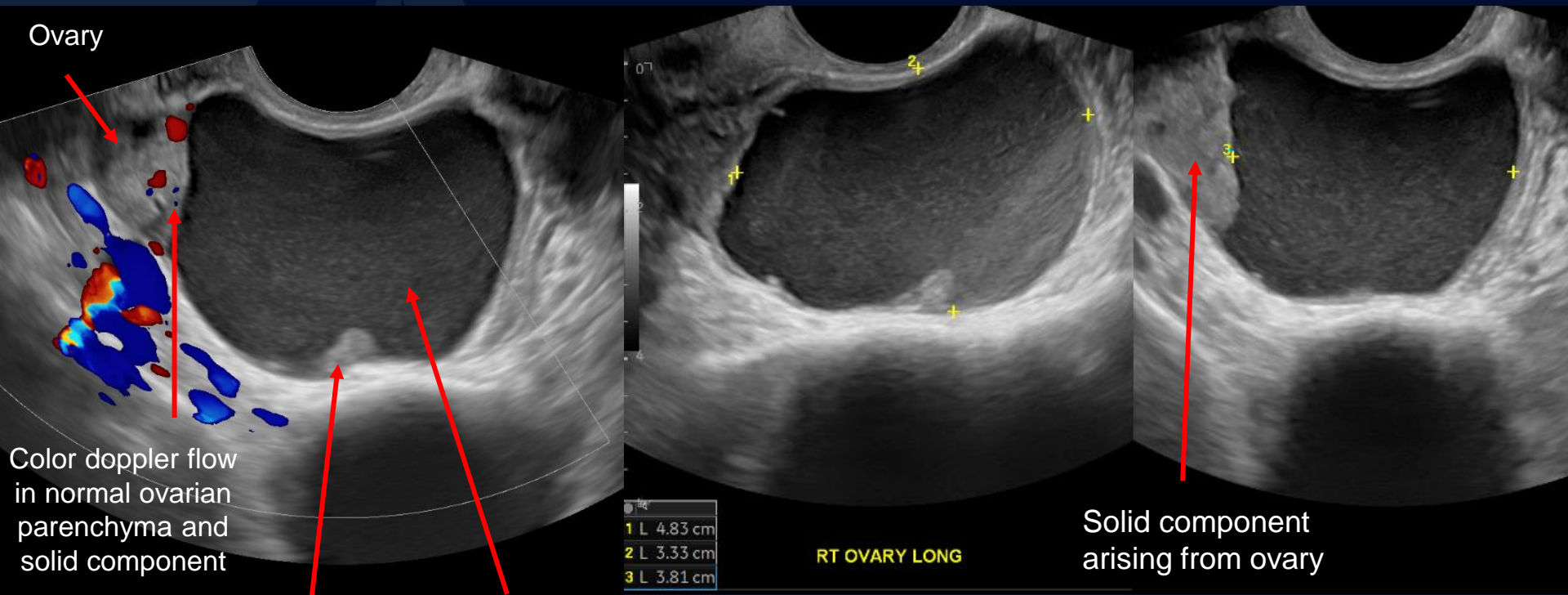
Transvaginal Ultrasound



Endometrial
stripe measuring
0.36 cm

Endometrium longitudinal view

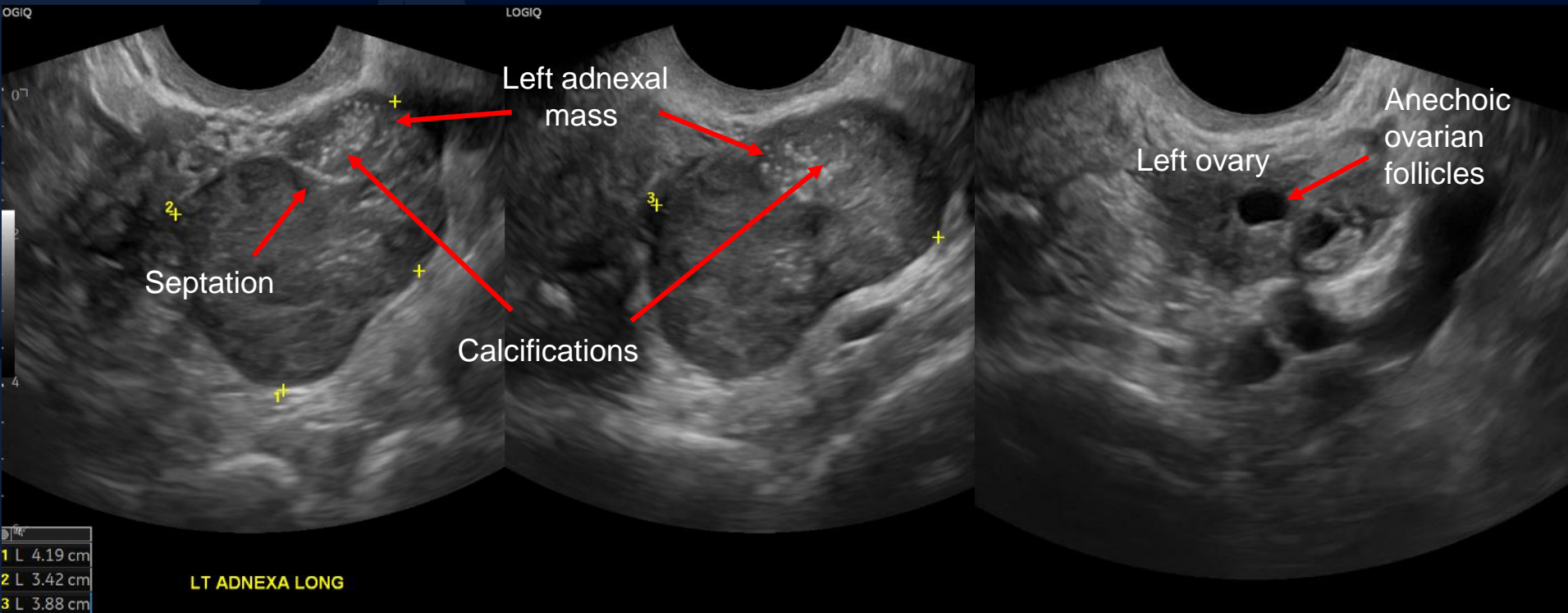
Transvaginal Ultrasound



Hyperechoic papillary projection

Diffuse internal low-level echoes

Transvaginal Ultrasound



Adnexa longitudinal view

Adnexa transverse view

Ultrasound Features of Adnexal Masses

Ovarian malignancy

- Part cystic and solid masses, papillary projections, acoustic shadows, ascites
- Often bilateral
- Color doppler flow in solid components

Endometrioma

- Unilocular cyst containing homogeneous low level echoes d/t internal hemorrhagic debris
- No color doppler flow

Ovarian cysts

- Anechoic
- Posterior acoustic enhancement
- Imperceptible wall

High-grade Serous Carcinoma

- Dermatomyositis is associated with ovarian cancer, breast cancer, melanoma and non-Hodgkin lymphoma
- Case studies of patients with new onset dermatomyositis found to have ovarian cancer, therefore thorough workup for malignancy is recommended in patients with new onset dermatomyositis
- Bilateral adnexal masses with features suspicious for malignancy in the setting of new or worsening dermatomyositis, surgical intervention is indicated

References

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- Oldroyd A, Sergeant JC, New P, et al. The temporal relationship between cancer and adult onset anti-transcriptional intermediary factor 1 antibody-positive dermatomyositis. *Rheumatology (Oxford)* 2019; 58:650.
- Van Holsbeke C, Van Calster B, Guerriero S et al. Endometriomas: Their Ultrasound Characteristics. *Ultrasound Obstet Gynecol.* 2010;35(6):730-40. [doi:10.1002/uog.7668](https://doi.org/10.1002/uog.7668) -