

EP15.12. Postpartum ultrasound after uterine preservation in placenta accreta managed with multivessel selective embolization and intraoperative ultrasound.

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Objectives

To evaluate postpartum ultrasound findings in patients with placenta accreta spectrum (PAS) managed conservatively with uterine preservation using multivessel selective embolization and intraoperative ultrasound prior to placental delivery.

Methods

A case series of 11 patients diagnosed with advanced PAS were reviewed, including 4 cases with preoperative parametrial involvement. Nine cases underwent uterine preservation via multivessel selective embolization combined with intraoperative ultrasound assessment to facilitate manual placental evacuation. Postpartum ultrasound findings were analyzed, with six patients undergoing repeat scans in the postpartum period to assess uterine recovery.

Results

Of the nine cases managed conservatively, six had postpartum ultrasound demonstrating a normal postpartum uterus. One of these six cases exhibited a uterine niche on imaging. Placental resolution was documented in five of the six cases, with complete removal of placental tissue. One case demonstrated 90% placental removal, with the remaining 10% spontaneously passing on postpartum Day 2. The findings support the efficacy of multimodal conservative management in achieving uterine preservation with favorable postpartum imaging outcomes.

Conclusion

Uterine preservation in advanced placenta accreta cases using multivessel selective embolization with intraoperative ultrasound before manual placental evacuation shows promising postpartum recovery. Most cases demonstrated normal uterine involution on follow-up imaging, supporting the feasibility of conservative management strategies in select PAS cases. Further studies are warranted to assess long-term reproductive outcomes and optimize post-treatment monitoring protocols.

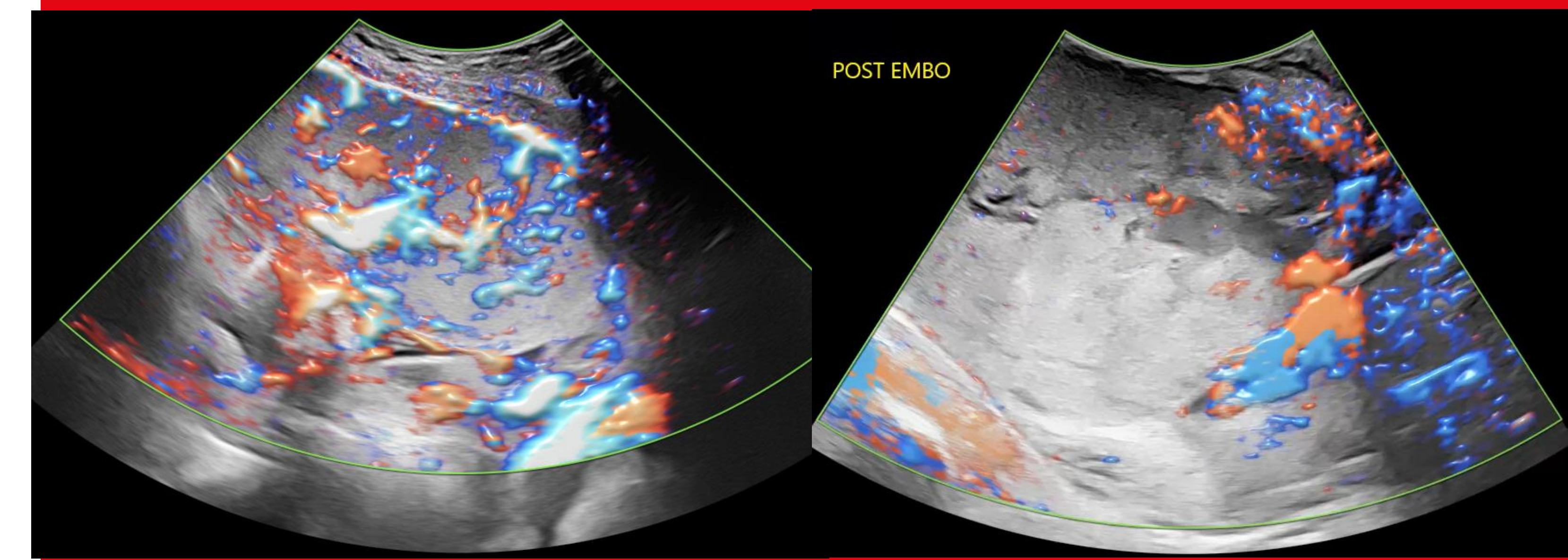


Figure 1. IOUS Pre removal of placenta prior MVSE. Post MVSE

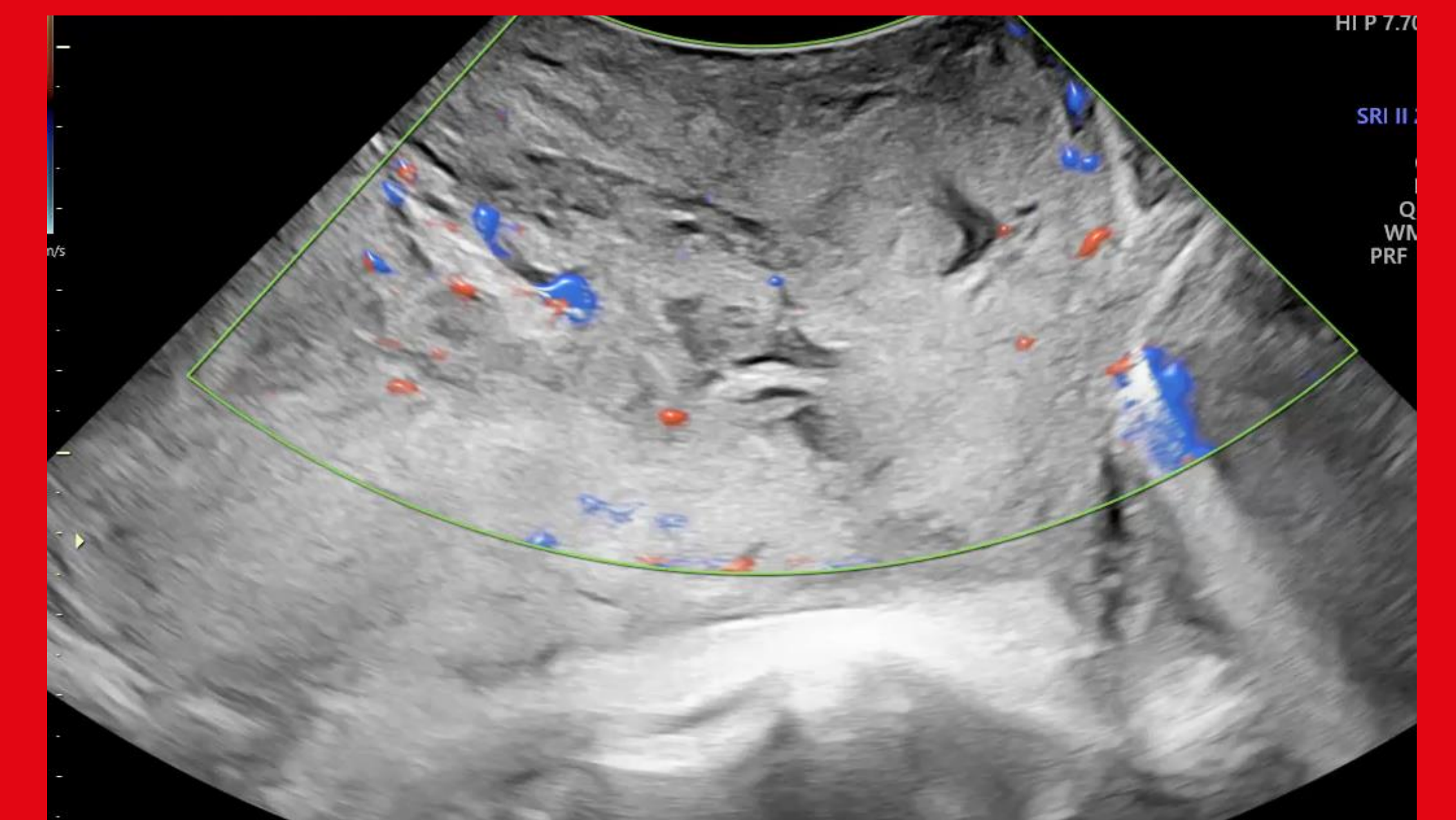


Figure 2. IOUS Post removal of placenta

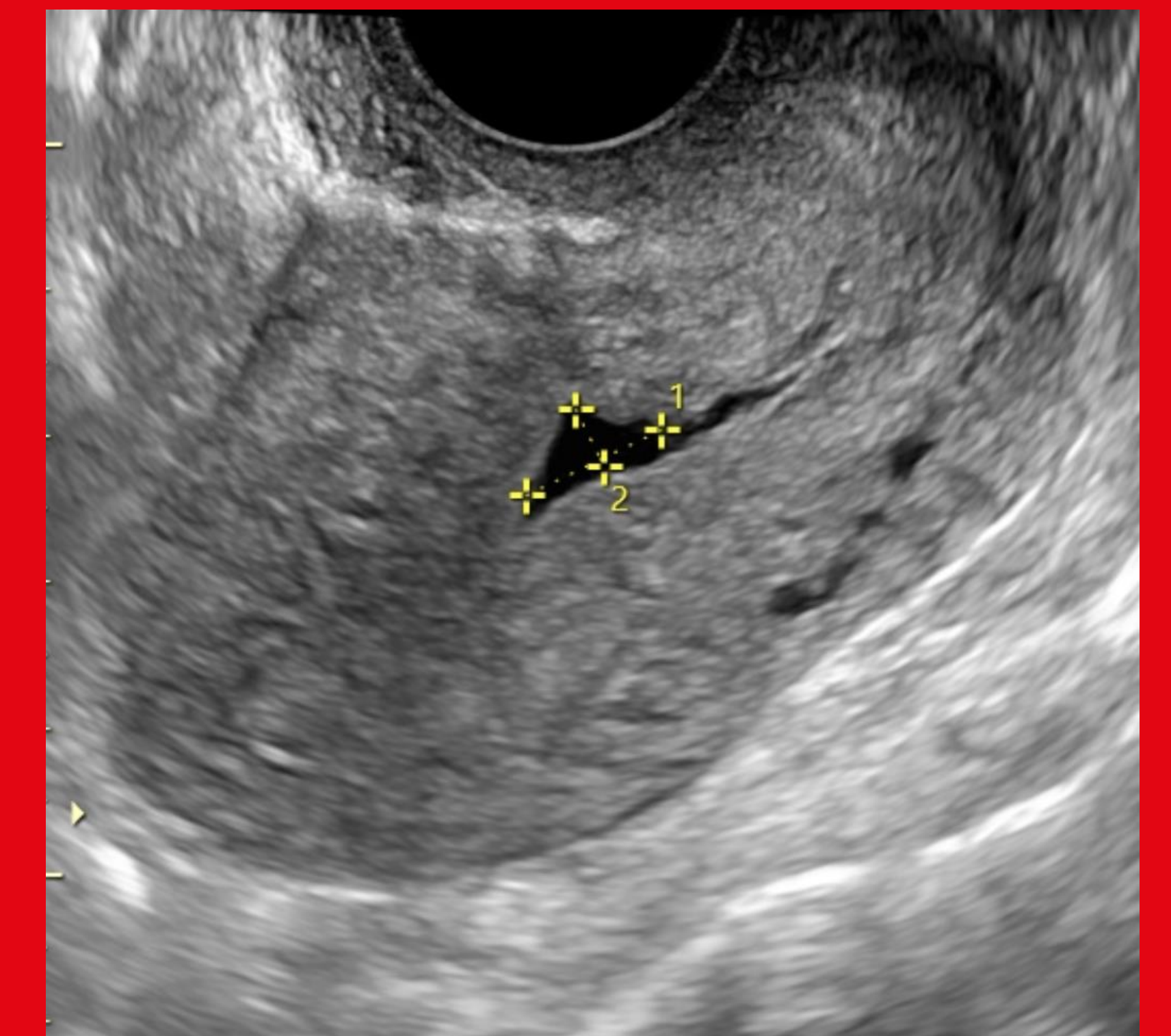


Figure 3. 6 weeks post partum ultrasound scan showing uterine niche