

EP16.67

Uterine pseudoaneurysm and arteriovenous fistula after second-trimester termination

E. Dreisler¹, C. Brinkmann¹, R. Juhl Jensen², A. Sakse¹

1 Department of Gynecology and Obstetrics, University of Copenhagen, Rigshospitalet, Denmark

2 Department of Radiology, University of Copenhagen, Rigshospitalet, Denmark

Introduction

The triad of intermittent very heavy bleeding, recent pregnancy, and a large abnormal vessel at ultrasound should raise suspicion of abnormal vessels after pregnancy.

Enhanced myometrial vascularization is frequently seen in association with retained products of conception, but when intermittent very heavy bleeding is present, special attention is necessary.

Case

33-years G1P0 had a second trimester induced medical termination due to a fetal cardiac malformation.

No severe bleeding and no instrumentation in relation to the termination. The patient presented eight weeks later with intermittent severe bleeding.

Transvaginal ultrasound

Demonstrated minor retained product of conception. No general enhanced myometrial vascularization. However, an abnormal large vessel and vessels with both arterial and venous flow was seen in the left side of the uterus.

CT-angiography

Confirmed the finding of arteriovenous fistula and pseudoaneurysm in a branch of left uterine artery.

Therapy

Embolization of the abnormous vessels was uncomplicated. No further surgery. At follow-up the uterus was empty, and bleeding had ceased.

Conclusion

Transvaginal ultrasound is useful to demonstrate abnormal vascularization in cases with intermittent heavy bleeding after recent pregnancy, preventing unnecessary uterine surgery.

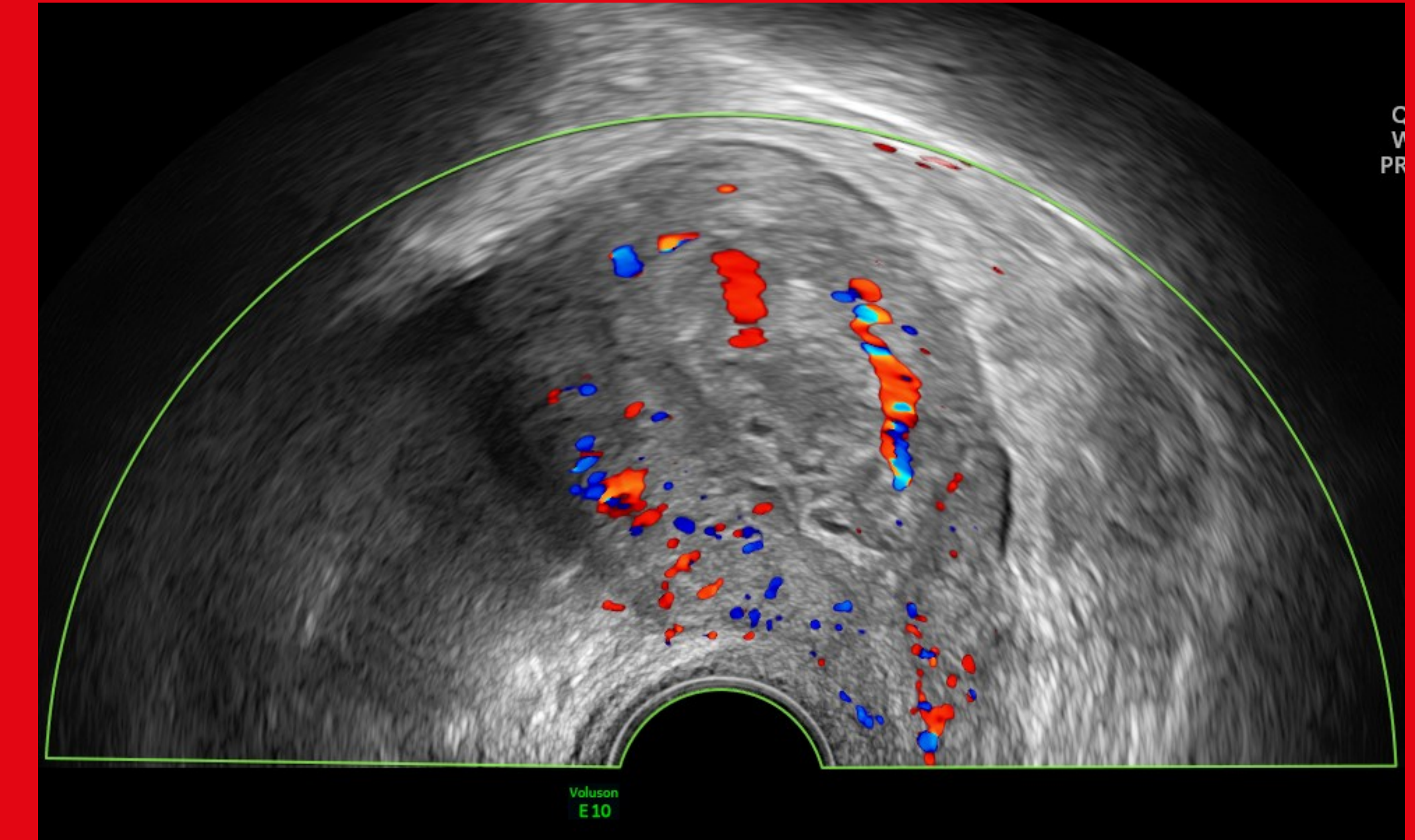


Figure 1. Transvaginal ultrasound demonstrating abnormal vessels



Figure 2. CT-angiography demonstrating uterine pseudoaneurysm and AV-fistula