What is the role of transvaginal ultrasonography in diagnosis of endometrial cancer? - single center study.

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Objective

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Material and Method

This is a prospective, single center study. We examined patient with pre- and postmenopausal bleeding using TVS (transvaginal ultrasound) with E6 Voluson GE endovaginal probe at the same day before diagnostic curettage or histeroscopy. All patient had histopathological verification after curettage.

Results

We analyzed 238 patients who underwent diagnostic curettage. We diagnosed 39 cases of endometrial cancer (16.3%). In group with pre- or postmenopausal bleeding without endometrial hypertrophy we had 66 cases and we diagnosed 8 cases of malignancy (12.1%). In group with pre- or postmenopausal bleeding with endometrial hypertrophy we had 31/171 cases of endometrial cancer (18%).

Conclusion

We suggest performing diagnostic curettage in patients with ultrasonographic signs of endometrial hypertrophy and pre- or premenopausal bleeding to increase the detection of endometrial cancer.