Ultrasound features of malignant ovarian yolk sac tumors

Objective: To describe clinical, sonographic characteristics of malignant ovarian yolk sac tumors (YST).

Method: 21 patients was included. Videos and images was re-assessed using pattern recognition by two observers.

Results/Conclusion: YST occur in young women (median 25 years old), 76% presenting in stage I-II, AFP often being markedly elevated.

YST are large (median 16cm), unilateral, tumors. Using pattern recognition YST appear multilocular-solid or solid with cystic components, with hyperechoic stroma and rich vascularization.