Objective: To present three cases of rare solid ovarian metastases from small cell tumor of the lung, neuroendocrine lung cancer and laryngeal carcinoma.

Case 1: 62 years old woman with a metastatic small cell tumor of the lung. Ovaries show bilateral solid masses, highly vascularized (color score 4).

Case 2: 40 years old woman with a laryngeal cancer during chemoradiation with irregular menstrual cycles sent for gynecological evaluation. Left ovary shows a solid lesion of 5 cm with irregular margins, highly vascularized (color score 4).

Case 3: 53 years old woman with a neuroendocrine cancer of the lung. At basal evaluation the right ovary shows a multilocular-solid mass of 6 cm diameter with a big solid component, highly vascularized (color score 4).

Conclusions: Ovary can be site of metastases from lung cancer (different histologies) and laryngeal tumors; the knowledge of the personal history of the patient and the presence of uni or bilateral solid (or multilocular-solid) highly vascularized masses, can give rise to suspicion in the ultrasound examiner.