

**Synchronous Diagnosis of Sarcomatoid Breast Carcinoma and Metastatic Ovarian Serous Carcinoma**

S. Karrit, A. Zribi, S. Ben Nasr, J. Ayari, S. Fendri, M. Balti, A. Haddaoui



Department of Medical Oncology of the Military Hospital of Tunis, Tunisia

**Abstract**

**Background :**

Synchronous presentation of breast and ovarian cancer is rare, it should raise suspicion of a hereditary process. The proportion of breast and ovarian cancers attributed to BRCA 1/2 mutations in the Tunisian population is not yet known. We present this unusual case of combination of breast sarcomatoid carcinoma and ovarian serous carcinoma in a patient with multiple family history of neoplasia.

**Presentation of the case:**

A 46-year old patient with a personal history of celiac disease and a multiple family history of neoplasia (4 cases of breast cancer, 2 of ovarian cancer and 4 leukaemias). She was explored in 2018 for mastodynia. The diagnosis of metaplastic fusiform cell carcinoma (sarcomatoid carcinoma) of the breast has been made. She has undergone radical surgery. It was a 5 cm-tumor without lymph node invasion. Immunohistochemical profile was triple negative. The radiological workup noted the presence of 2 ovarian masses measuring 58 and 120 mm with peritoneal carcinosis. A diagnostic laparoscopy for ovarian biopsies was carried out. The histological examination has revealed bilateral ovarian localization of a high-grade serous carcinoma with peritoneal metastases. It is therefore the simultaneous presence of a sarcomatoid breast carcinoma and high-grade metastatic ovarian serous carcinoma. The patient has received 3 cures of

Paclitaxel-Carboplatin. A biological and radiological evaluation is planned.

**Conclusion:**

This is probably a patient with BRCA mutation. A genetic investigation has been initiated. Earlier screening will be offered to women in her family if a mutation is identified. Prophylactic surgery will also be discussed. The current literature struggles to standardise conduct in these situations. Further studies should be carried out



**Biography:**

Dr. Sarra KARRIT

Intern in Medical Oncology in the Department of Oncology at the Military Hospital of Tunis, Tunisia. I worked previously in the Departments of Medical Oncology at the Farhat Hached University Hospital in Sousse, Tunisia and then at the Salah Azaiez Institute, Tunis, Tunisia.

[karrit.sarra@gmail.com](mailto:karrit.sarra@gmail.com)

Tel: (+216)99426494