

Sternal Metastasis from Serous Ovarian Carcinoma - A Narrative Review Highlighting the Importance of Multidisciplinary Management in These Cases

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Abstract

Introduction: Sternal metastases of serous ovarian carcinoma are extremely rare conditions, with less than 10 articles published in the medical literature on this subject. The aim of this article is to present a case of late-onset sternal metastasis of serous ovarian carcinoma in a patient who underwent surgery for serous ovarian carcinoma approximately 6 years before and to provide a review of the literature regarding the importance of multidisciplinary management in such cases.

Material and Method: We aimed to conduct a review of the specialized literature concerning published articles on sternal metastases from ovarian serous carcinoma over a period of approximately 30 years, from January 1, 1994, to December 31, 2023. For this purpose, we utilized the following databases: PubMed and Web of Science (Clarivate Analytics), using the keywords: sternal metastases, ovarian cancer.

Results: Following our review of the specialized literature, we identified only 10 articles that reported clinical cases of sternal metastases occurring after ovarian cancer surgery and chemotherapy. Additionally, we present the case of a 70-year-old female patient diagnosed with sternal metastasis from ovarian serous carcinoma, with an emphasis on the therapeutic management of the case.

Conclusions: Sternal metastases of serous ovarian carcinoma represent extremely rare conditions. In such cases, if sternal metastases are solitary, and the patient does not present metastases at other sites nor signs of local recurrence, sternum resection may constitute a viable therapeutic option in the treatment of these patients.

Key words: sternal metastasis, serous ovarian carcinoma, thoracic wall resection