

# METASTATIC EXTRA-MAMMARY CANCERS TO THE BREAST: A PICTORIAL CASE SERIES

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## Introduction

Although breast cancer is one of the commonest malignancies, metastasis to the breast from extra-mammary primary malignancies is rare and accounts for about 0.4% of all malignant breast lesions. Common primary malignancies are lymphoma, malignant melanoma, lung, ovarian, gastrointestinal and small bowel carcinoid.

## Method and results

We present imaging from six patients at our institution with metastatic lesions to the breast from various extra-mammary sources. These metastases demonstrate non-specific radiological appearances and can mimic primary breast cancer or benign breast lesions. Our patients either presented to the symptomatic breast clinics or had their breast lesions incidentally detected on staging CT for other primary malignancies.

## Discussion

Metastasis to the breast may occur by either lymphatic or haematogenous spread. Lymphatic spread is more common with spread from contralateral breast, gastric or ovarian cancer and can mimic inflammatory breast cancer. Haematogenous metastasis from extra mammary malignancies present as a solitary discrete lesion more commonly than multiple or diffuse involvement.

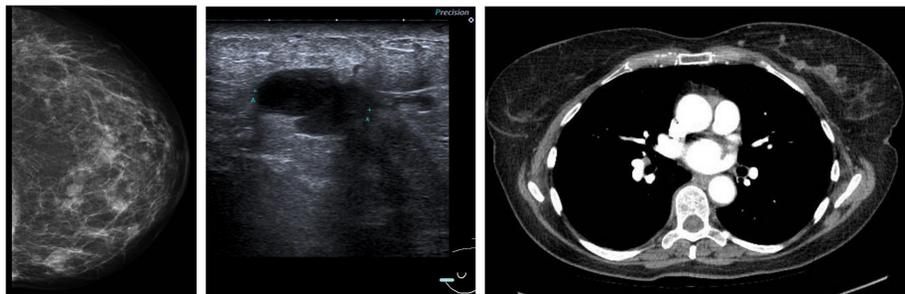
## Conclusion

Metastasis to the breast is rare but should be considered in patients with history of extra-mammary primary malignancies.

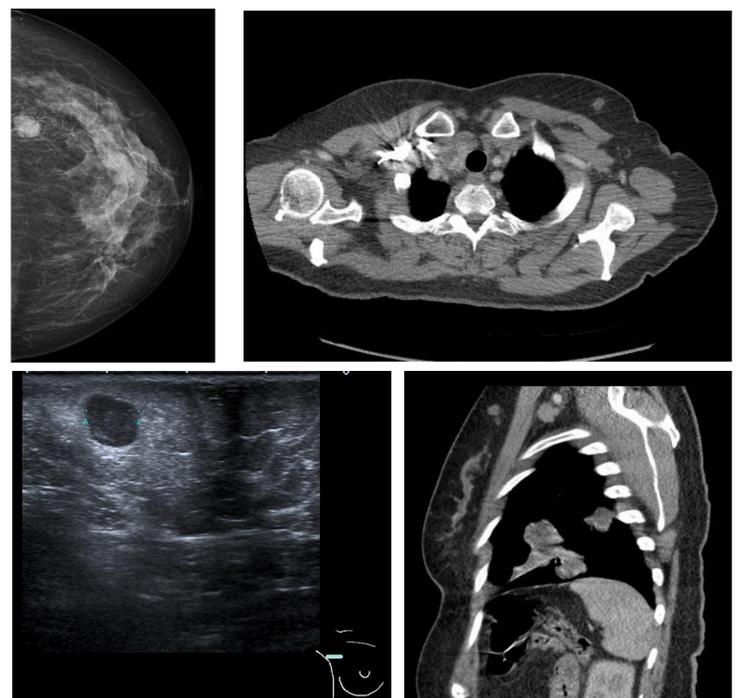
## References

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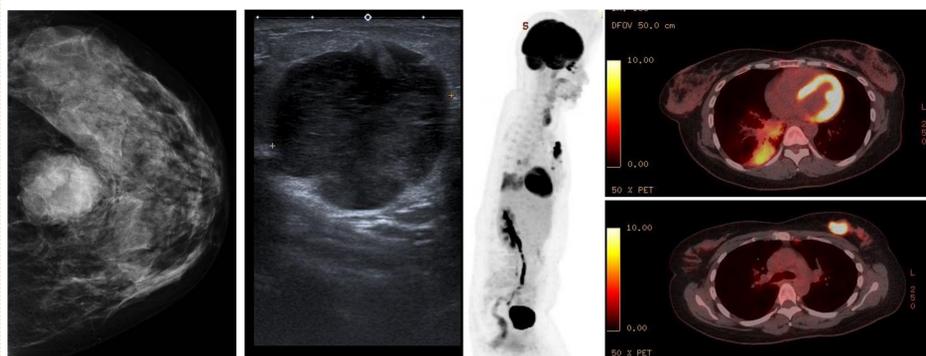
Primary serous ovarian carcinoma with metastasis to the breast



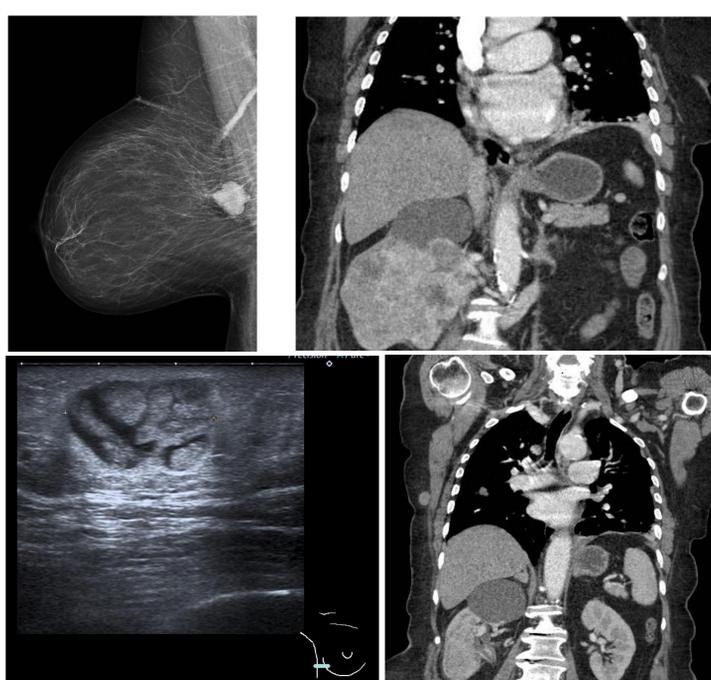
Primary Clear cell endometrial carcinoma with disseminated metastasis



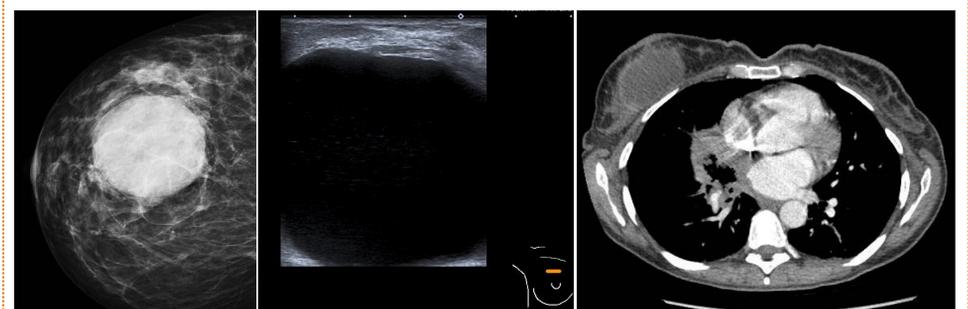
Primary small cell lung cancer with breast metastasis



Primary sarcomatoid renal cell carcinoma with breast metastasis



Primary tongue squamous cell carcinoma with breast and lung metastasis



Primary Adult T-cell lymphoma with breast metastasis

