**Summary**

A 72-year-old male with known systolic and diastolic heart failure presented with congestive cardiac failure symptoms over a period of 6 weeks. Successful resection of left upper lobe lung adenocarcinoma 4 years prior. Poor response to optimal medical therapy and IV diuresis. Repeat echocardiogram elicited rare images (Videos 1, 2 and 3) of a significant invasive pericardial tumour involving myocardium and endocardium (Fig. 1). Comparative CT thorax images are also provided (Fig. 2A and B). The importance of cardiac silhouette evaluation on CXR's for interval change is highlighted with 6-month retrospective review in this case (Fig. 3). A radiographic diagnosis of metastatic adenocarcinoma was made. Given co-morbidities the patient was palliated, after MDT discussion and died soon after in hospice. Primary pericardial tumours are rare. Most common primary sites for metastatic pericardial tumours are lung, breast and the bone marrow (1). Involvement of pericardium and epicardium occurs in up to 70% of patients, usually by direct invasion, with involvement of myocardium in approximately 30%. Extension to endocardium is rare (2). Significant learning from this case with multi-modality imaging evidence of rare pathology.

**Video 1**

**Video 2**

**Video 3**
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Declaration of interest
The authors declare that there is no conflict of interest that could be perceived as prejudicing the impartiality of this article.

Funding
This work did not receive any specific grant from any funding agency in the public, commercial, or not-for-profit sector.

Patient consent
Patient deceased and next-of-kin gave written consent to perform and publish this study case.

Author contribution statement

References

Figure 2
(A) CT demonstrating pericardial mass enveloping left ventricle (red arrow) in arterial phase. (B) CT demonstrating pericardial mass invading myocardium seen in portal venous phase (blue circle).

Figure 3
CXR’s demonstrating distortion of cardiac silhouette with significant enlargement in a 6-month period.