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Images in cardiology

Angiographic and echocardiographic imaging of secondaries in pericardium

Packirisamy Gobu ^{a,*}, Jayaraman Balachander ^b, Geofi George ^c

^a Assistant Professor, Dept. of Cardiology, JIPMER, Pondicherry 605006, India

^b Professor and Head, Dept. of Cardiology, JIPMER, Pondicherry 605006, India

^c Senior Resident, Dept. of Cardiology, JIPMER, Pondicherry 605006, India

A 50-year-old man diagnosed as a case of adeno carcinoma of lung (Stage 4) was referred to our clinic for echocardiogram. His echocardiogram revealed two large masses in the pericardium with cardiac tamponade (Fig. 1). Emergency pericardiocentesis was done and the sheath was left in the pericardial cavity and patient was started on chemotherapy. Patient had recurrent rapid accumulation of pericardial fluid and hence we planned to go ahead with pericardiodesis with bleomycin.¹ We wanted to confirm the position of the sheath in the pericardial cavity before proceeding with pericardiodesis. We could not locate the position of the catheter with echocardiogram and hence we shifted the patient to cath lab. In the cath lab the guide wire could not be freely passed through the sheath in the pericardial cavity. Hence we decided to inject contrast to check the position of the sheath. There was direct injection of contrast on the mass as the sheath was impinging on the mass. We got a rare and excellent

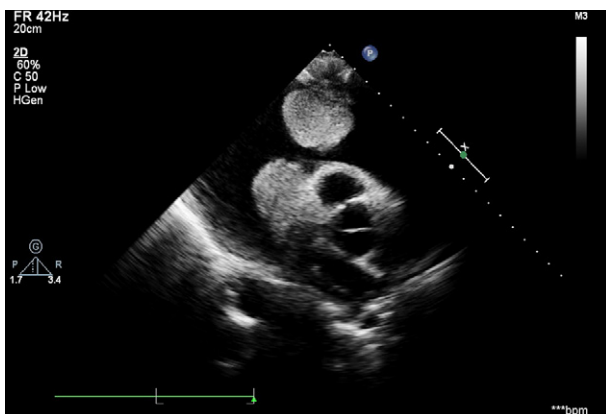


Fig. 1 – Echo image of secondaries with large effusion.

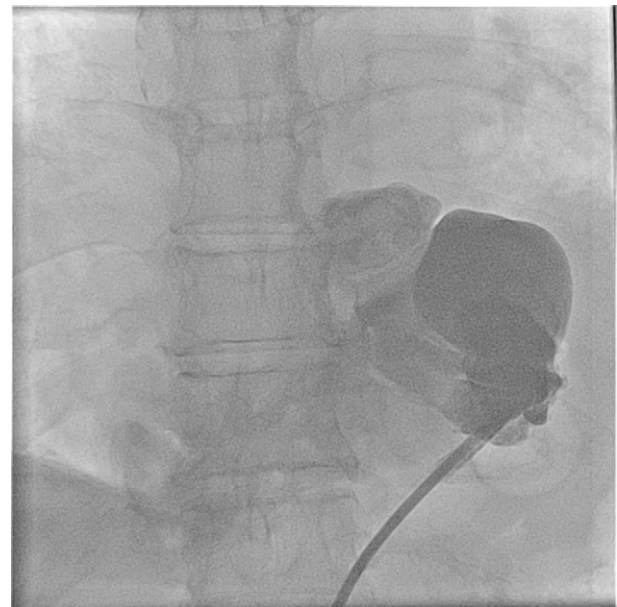


Fig. 2 – Angio image showing sheath, secondaries and effusion.

angiographic image of secondaries in the pericardium with pericardial effusion (Fig. 2). We report this case as this is a very rare angiographic demonstration of secondaries in the pericardial cavity with pericardial effusion.

REFERENCE

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* Corresponding author. Tel.: +91 9176672133.

E-mail address: gobucardio@rediffmail.com (P. Gobu).

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