



BMH Med. J. 2020;7(3):84 **Images**

## An Unusual Case of Right Ventricular failure

Abhijeet Bhausaheb Shelke, Ramesh Kawade

Krishna Institute of Medical Sciences Deemed University, Karad, Maharashtra India

**Address for Correspondence:** Dr. Abhijeet B. Shelke MD DNB Cardiology, Associate Professor, Dept of Cardiology, Krishna Institute of Medical Sciences Deemed University, Malakapur, Karad (Dist – Satara), Maharashtra, PIN 415539, India. E-mail: panacea2005.abhijeet@gmail.com

**Keywords:** Carcinoma Cervix, cardiac metastasis

A 50-Year-old woman presented with raised JVP and bilateral pitting pedal edema suggestive of right heart failure. She received radiotherapy for carcinoma of cervix 7 years ago. Her ECG revealed sinus rhythm with right ventricular (RV) hypertrophy. 2D-echocardiography showed dilated RA and RV with endocardial RV mass (**Figure 1A**) obliterating entire RV cavity in parasternal short axis view (**Figure 1B**). There was minimal pericardial effusion. Cardiac MRI showed iso-intense proliferating mass in RV cavity (**Figure 1C, D**). Late Gadolinium Enhancement images revealed heterogeneous contrast-enhancing growth arising from septal and free wall of RV (**Figure 1E**). Whole body Fluorodeoxyglucose-18 positron emission computed tomography (18F-PET CT) was performed with focused cardiac study after appropriate diet preparation. There was FDG uptake (SVU max- 8) of heterogeneously enhancing RV mass (**Figure 1F**). There were also multiple enlarged FDG avid para-aortic and common iliac lymph nodes (SVU max- 7.7). Trans-jugular biopsy of RV mass was performed with 5F biopptome under fluoroscopy and 2D-echocardiography guidance (**Figure 1G**). Histopathology study of biopsy tissue showed fibrinoid necrotic tissue and moderately differentiated squamous cell carcinoma (**Figure 1H**) suggestive of metastasis squamous cell carcinoma probably from old Carcinoma Cervix. This is a rare case of cardiac metastasis especially when primary disease in cervix is not active.

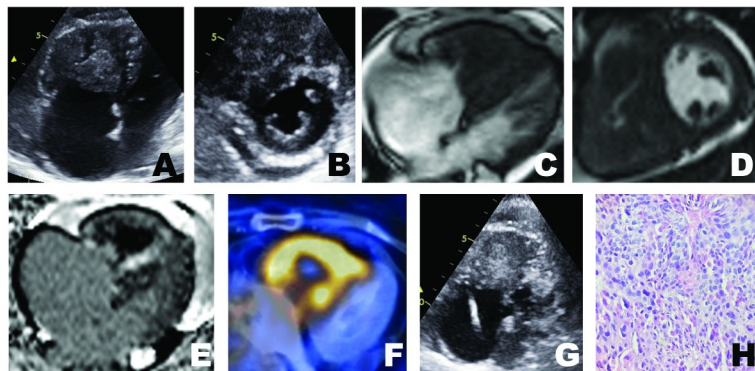


Figure 1