

Extensive Renal Tumor Diagnosed from Echocardiography Findings

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Transthoracic echocardiogram revealed an image of heterogeneous mobile echogenic material in right atrial ceiling extending into the inferior vena cava. Chest computed tomography angiography showed mural thrombus in the inferior vena cava and abdominal tomography showed large heterogeneous expansive lesion in the right kidney with predominantly hypervascular enhancement pattern with intermingled necrotic areas extending to the right renal vein and the infra and supradiaphragmatic inferior vena cava compatible with primary tumor with extensive

perirenal right collateral circulation. Because we are dealing with an asymptomatic patient, it is concluded that the echocardiogram ended up providing the diagnosis of this extensive renal tumor.

Authors' contributions

Research creation and design: Wamser MN, Alberton J; Data acquisition: Wamser MN, Alberton J; Manuscript drafting: Wamser MN, Alberton J; Critical revision of the manuscript as for important intellectual content: Wamser MN, Alberton J.

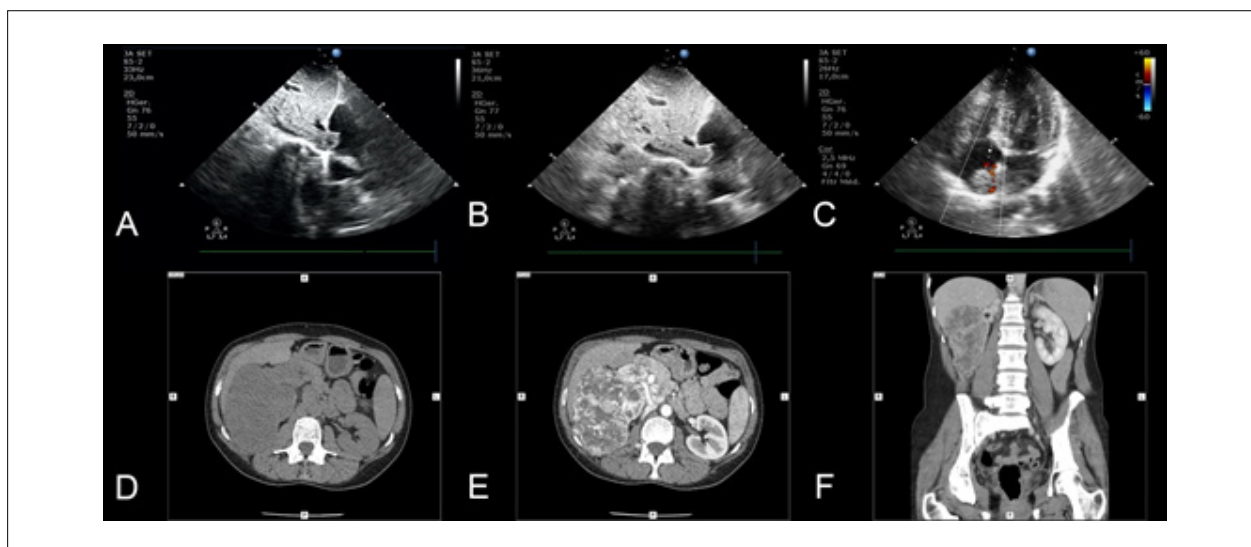


Figure 1 – A and B: Echocardiographic images in subcostal view showing tumor thrombus in the inferior vena cava invading the right atrium; C: Apical four-chamber view of the echocardiogram showing echogenic mass in the right atrium; D: Computerized axial tomography scan at the level of the renal hilum showing expansive lesion in the topography of the right kidney; E: Contrast pattern of the lesion in the corticomedullary phase of tomography; F: Voluminous lesion of heterogeneous aspect in coronal computerized view, nephrographic phase.

Keywords

Echocardiography/methods; Diagnostic Imaging; Tomography, X-Ray Computed; Vena Cava, Inferior/injuries; Kidney/injuries; Kidney Neoplasms

Potential Conflicts of Interest

There are no relevant conflicts of interest.

Sources of Funding

This study had no external funding sources.

Academic Association

This study is not associated with any graduate program.

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Manuscript received September 24, 2016; revised October 3, 2016;
accepted October 6, 2016.

DOI: 10.5935/2318-8219.20170010