Case Report

Explore the temple of mysteries - the abdomen in all high output heart failure. A case of renal artery pseudo aneurysm communicating with inferior vena cava presenting as high output heart failure.

Gopalan Nair Rajesh, Kalathingathodika Sajeer, Vellani Haridasan, Cicy Bastian, Chakanalil Govindan Sajeev, Mangalath Narayanan Krishnan

*Address for Correspondence: Gopalan Nair Rajesh, MD DM, Additional professor, Dept. of Cardiology, Govt. Medical College, Kozhikode, Kerala, India. Email ID: drrajeshgnair@gmail.com
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Main text:
A 40 year old male presented with clinical features of high output cardiac failure. He had history of laparotomy 5 years back for stab injury to abdomen. Examination showed continuous bruit in the right lumbar region. During echocardiographic examination dilated inferior vena cava (figure 1a) was noticed and colour Doppler showed continuous flow (arrow) into inferior vena cava (figure 1b). Subsequent angiogram and evaluation with 64-slice CT scan confirmed right renal artery pseudo aneurysm communicating with inferior vena cava (figure 1c-f). Patient underwent successful surgical repair of pseudo aneurysm and closure of IVC communication. This case highlights the importance of screening the abdomen for arterio-venous anomalies while evaluating cases of high output heart failures. IVC-inferior vena cava, RA-renal artery

Legends:
Figure 1
(a) Transthoracic echocardiogram: subcostal view showing dilated inferior vena cava.
(b) Colour Doppler showing continuous flow (arrow) into inferior vena cava
(c) Pigtail angiogram showing large pseudo aneurysm (arrow) from right renal artery
(d) Pigtail angiogram showing renal artery aneurysm communicating with inferior vena cava
(e) CT scan abdomen with contrast showing dilated inferior vena cava and right renal artery aneurysm
(f) 64 slice CT shows hugely dilated inferior vena cava and the right renal artery aneurysm at the hilum

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