

Aortic dissection: Unusual and rare complication during subclavian vein catheterization in a hemodialysis patient

Fard, M.M.^a, Fard, M.M.^a, Bayani, B.^b

^a Department of Radiology, Imam Reza Hospital, Birjand **University of Medical Sciences**, Birjand, Iran

^b Department of Cardiology, Imam Reza Hospital, **Mashhad University of Medical Sciences**, Mashhad, Iran

[View references \(1\)](#)

Abstract

We present a 67-year-old female with end stage renal disease (ESRD). As the patient had no vascular access for hemodialysis, the catheter was inserted in the right subclavian vein without an imaging guide. The woman experienced sudden chest pain and hypotension. Imaging showed a malposition of the catheter in the subclavian artery instead of the subclavian vein with dissection of the thoracic and abdominal aorta. This is a rare complication of subclavian vein catheterization for hemodialysis. We discuss this patient because she is the first in the international bibliography. This case report shows that for patients with poor venous access, catheter placement under angiographic control may be helpful.

Author keywords

Aortic dissection; Catheterization; Renal dialysis

Indexed Keywords

EMTREE medical terms: abdominal aorta; adult; anxiety; aorta dissection; article; case report; chronic kidney failure; clinical examination; computed tomographic angiography; diaphoresis; dyspnea; electrocardiogram; female; heart left ventricle hypertrophy; hemodialysis patient; human; hypertension; hypotension; pleura effusion; subclavian artery; subclavian vein catheter; thoracic aorta; thorax pain; thorax radiography; vascular access

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