

#1935 - Unusual presentation of Takayasu's Arteritis with Cardiac Involvement and Renal Artery Stenosis (case-report)

Authors and Affiliations Farzaneh Futuhi¹, Maedeh Arabian¹, Sara Lotfian¹
1- Rajaie Cardiovascular Medical and Research Center, Iran University of Medical Sciences, Tehran, Iran.

Corresponding Author and email farzaneh futuhi -ff.1975@yahoo.com

Body Takayasu arteritis is a chronic inflammatory and idiopathic disease of subclavian artery, aorta and its branches while renal artery stenosis is relatively rare [1]. Takayasu is more common in young females (80-90% of cases) than males and symptoms vary according to the affected arteries [1,2]. One of the uncommon manifestations of the disease is hypertension, which is caused by renal artery narrowing [3,4]. In this report the case of a 34-year-old man presented with late diagnosis of Takayasu's arteritis and various related complications, including fever, malaise, dyspnea and weight loss. This patient was initially diagnosed as suffering from tuberculosis infection with bilateral plural effusion. On further rheumatological evaluation he was diagnosed as a case of Takayasu arteritis with numerous arterial stenoses in right subclavian artery, thoracic and abdominal aorta and their branches according to the CT angiographic evaluation and treatment of Takayasu arteritis has been started. After 3 months, symptoms of heart failure appeared. After starting an ACE inhibitor, urine output of the patient decreased suddenly and creatinine started to rise. Hemodialysis started because of anuria to improve outcomes. Eventually renal artery angiography showed bilateral renal artery stenosis (95%) and the angioplasty with a stent placement in the renal artery resulted in improvement of cardiac and renal symptoms and discontinuation of hemodialysis [5,6].

Keywords: renal artery stenosis, takayasu arteritis, heart failure

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