Sinus Valsalva Aneurysms in a Patient with Ankylosing Spondilitis

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Picture 1.

Sinus of Valsalva Aneurysm (SVA) including all sinuses is an extremely rare condition. Concomitant aortic root expansion and sinus of Valsalva aneurysm has been reported in previous publications among patients with immunogenetic marker HLA B27 positive ankylosing spondilitis (1). Herein we report the case of a 61-year-old man with immunogenetic marker HLA B27 positive ankylosing spondilitis who had a giant unruptured right SVA accompanied by aneurysms in other sinuses too. Transthoracic echocardiography displayed right SVA 42×47 mm in size (Picture 1). Computed tomography demonstrated Valsalva aneurysms including right, left and non-coronary sinuses, which were 45×54 mm, 6 mm and 7 mm in size, respectively (Picture 2A, 2B). Giant right SVA was also demonstrated with aortography (Picture 3). In order to perform aortic root replacement, the chest was opened by median sternotomy, and prominent aneurysm was seen easily (Picture 4). SVAs are encountered in congenital and acquired disorders. Acquired aneurysms are caused by conditions affecting the aortic wall, such as

Picture 2.

infections, trauma, or connective tissue disorders (2). To the best of our knowledge, Valsalva aneurysms including all sinuses in patients with ankylosing spondilitis are not reported in the literature, which is why we felt that the present case was worthy of sharing.

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Picture 3.

Picture 4.

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