Multiple vascular aneurysms in Behçet's disease

Behçet hastalığına bağlı multipl vasküler anevrizmalar

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A 28 years old man was admitted to hospital because of pain and paresthesia in the left arm. A diagnosis of Behcet's disease had been made 5 years ago. Physical examination revealed a pulsatile mass in the right supraclavicular region, early diastolic heart murmur in the mesocardiac region and left hemiparesthesia.

Chest radiography displayed large mediastinum. Echocardiography showed dilated aortic root (5 cm) and third degree aortic regurgitation. Aortography demonstrated third degree aortic regurgitation, aneurysm of the sinus of Valsalva (Fig. 1; 4x4.5 cm),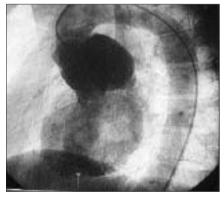 aneurysm of both subclavian arteries (Fig.2; right subclavian artery 2.2x2 cm, left subclavian artery 2.5x2.9 cm) and aneurysm of abdominal aorta (Fig. 3; 4x9 cm). Left selective coronary angiography showed aneurysm in left main coronary artery (Fig. 4). The pulmonary and cerebral angiographies were normal.

Our patient is the first Behcet's disease case that has aneurysms of coronary artery, sinus of Valsalva, both subclavian arteries and abdominal aorta. The patient was transported to the cardiovascular surgery department for aortic repair and aortic valve replacement.
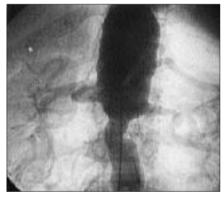

Figure 1. Left anterior oblique aortography shows the aneurysm of sinus Valsalva and severe aortic regurgitation

Figure 3. Anteroposterior aortography displays the aneurysm of abdominal aorta

Figure 2. Anteroposterior aortography view of bilateral subclavian aneurysms

Figure 4. Right anterior oblique selective coronary angiography shows the aneurysm of left main coronary artery

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