Abstract: P819

Aortic aneurysm in pregnant women with marfan's syndrome

Authors:
G Neverauskaite Piliponiene¹, P Jacevicius¹, L Gumbiene², P Serpytis³, ¹Vilnius University, Faculty of Medicine - Vilnius - Lithuania, ²Vilnius University Hospital Santaros Clinics, Centre of Cardiology and Angiology - Vilnius - Lithuania, ³Vilnius University Hospital Santaros Clinics, Centre of Emergency Medicine - Vilnius - Lithuania,

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35 year old woman diagnosed with Marfan syndrome was complaining of irregular heartbeat and shortage of breath. Symptoms lasted for a few years. The patient was referred to a cardiologist. Patients’ height was 187 cm, weight 91 kg, HR 78 b/min, BP 120/40 mm Hg. Heart auscultation revealed protodiastolic murmur on the left side of the sternum. ECG haven’t shown any significant changes. Ascending aortic aneurysm and aortic valve insufficiency (II-III) was found during trans-thoracic cardiac echocardiography. An extended investigation of the patient was conducted: CT scan of thoracic aorta revealed an ascending aortic aneurysm with a diameter of 8,4 cm.

The patient underwent preparation for surgical treatment. During routine testing it was discovered that the patient was pregnant at the time for 16 weeks. The pregnancy complicated the clinical outcome and compromised the scheduled surgery. Given the patient affirmation – an abortion of the foetus was carried out. The termination of the pregnancy went without any further complications. One week following the termination of pregnancy, Bentall surgical procedure was conducted using St. Jude 22 mm prosthetics.

Every patient with diagnosed Marfan syndrome should be introduced with possible complications. Before pregnancy these patients should be examined for possible aortic dilatation. If descendent aortic dilatation is over 45mm and patient has other risk factors it is indicated to consider surgical treatment. If women is already pregnant, recommended treatment for her are blood pressure control and delivery by C-section.