

Inflammatio us a procoagulant state for appearing thrombus in patient with secondary dilated cardiomyopathy

Introduction

Inflammatio is the dinamic proccess of defence made of cronological changes which are repercussions of the body on injury or infection, It is made of complex biological and biochemical reactions which includes crucial cells of the immune system and many lots of biological mediators stimulated with mechanical injuries, toxins, infections and reaction hypersensitivity.^{1,2} Because of the disorders of the homeostatic system it is bigger probability of appearing thromboembolic incidence especially in patients with some disorders. Dilated cardiomyopathy is disease with structural and functional changes of heart muscle. In the following case report the 43-year-old male with earlier known secondary dilated cardiomyopathy who presented with a pneumonia and thrombus in left and right heart ventricul.³⁻⁵

Case report

A 44-year-old male patient with with earlier known secondary dilated cardiomyopathy (from 2014. post myocardial)⁶ was hospitalized because of right pneumonia and cardial decompensation (he was presentened with dyspnea and chest pain and with elevated inflamatio markers and D-dimer nad NT PRO BNP). Because of chest pain we did the CT pulmonary angiography and we seclude pulmonic embolismus.⁷ Echocardiography exam show us the dilatated left ventricul (EDD 75 mm) thinned wall in basal and medium parts of posterior and inferior wall and left wall were poorly movable with akinetic apical part with formatio (7x6mm) with EF LV by Simpson Biplane 25-28%. Dilatated DA (18 cm²) and DV (40 mm) reduced contractility TAPSE 13 mm TDI s'8 cm/s. FAC=20.4% (EFDV around 30%). In the DV formatio (32x22mm).⁸⁻¹⁰ PR 111 ms RVSP 23 mmHg with MR middle grade to sever. With the TEE we confirm the formation (20x30mm) and the fondatio wih is a thrombus in the apical part of the left ventricul. With the antibiotic therapy (piperaciklin with tazobactam and then with azitromicin and tetraciklin and with the other conservatory therapy) we achieve regression of pneumonia and cardiac recompensatio. In the further processing (in the tertial institution) with the MR we prove that the formation in the left and the right heart was thrombus. The patient was prepared for the transplantation of the heart.

Conclusion

Every additional disease can complicated the earlier known heart disease especially with inflammation which has the procoagulant activity that encourages appearing thrombus. We must be more careful in the patient with some of the heart disease so that we dont predict it. Keywords: dilated cardiomyopathy , pneumonia, thrombus, echocardiography (transthoracal and transesophageal).

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Conflicts of interest

Authors declare that there are no conflicts of interest.

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