

Case Report

Multiple mobile clots in right atrium and ventricle following insertion of temporary pace maker :A case report

Nabati M (MD)¹, Tabiban S (MD)*², Moshtaghian Sh (MD)³, Eslami S (MD)⁴

¹Assistant Professor, Department of Cardiology, Fellowship of Echocardiography, Faculty of Medicine, Mazandaran University of Medical Sciences, Sari, Iran. ²Assistant Professor, Department of Cardiology, Fellowship of Electrophysiology, Faculty of Medicine, Mazandaran University of Medical Sciences, Sari, Iran. ³Resident in Cardiology, Student Research Committee, Faculty of Medicine, Mazandaran University of Medical Sciences, Sari, Iran. ⁴Cardiologist, Golestan University of Medical Sciences, Gorgan, Iran.

Abstract

Temporary pace marker (TPM) usually has been used in emergency conditions. Insertion of TPM is accompanied with vein thrombosis and pulmonary Emboli. TPM was inserted via right femoral vein in 73 years male due to complete heart block. Thereafter, he was suffered from deep vein thrombosis. Echocardiography revealed multiple mobile clots in right atrium, ventricle and impending pulmonary thromboemboli following insertion of permanent pacemaker. Despite of contraindication for the application of thrombolytic agents due to surgical incision for permanent pacemaker and presence of patent foramen oval, the patient survived from massive pulmonary thromboemboli and death due to rapid diagnosis and on time treatment with anticoagulation agents without performing surgery.

Keywords: Deep vein thrombosis, Pulmonary thromboemboli, Temporary pacemaker, Anticoagulant

* **Corresponding Author:** Tabiban S (MD), E-mail: drtabiban@yahoo.com

Received 30 April 2012

Revised 15 July 2013

Accepted 16 July 2013