

# Takotsubo syndrome following pericardiectomy

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## Abstract

Background: Takotsubo cardiomyopathy (TC) is defined as a temporary and reversible systolic abnormality of the left ventricle's apical area resembling myocardial infarction (MI) in the nonexistence of coronary artery disease (CAD)[1]. Only a few cases have been reported after cardiac operations or after pericardiocentesis. Aims: To emphasize the need to be aware of the possibility of the occurrence of this potentially fatal complication after cardiac surgery. Materials and methods: A-66-year old man underwent pericardiectomy. Postoperative he endured TC and progressed exacerbation of hemodynamic instability. Finally, he had to be supported by intra-aortic balloon pump (IABP), extracorporeal membrane oxygenation (ECMO). Results: Patient's left ventricle function recovered fully in two weeks. Discussion: we discussed the pathogenesis and treatment of postoperative TC. Conclusion: TC has to be carefully considered in differential diagnosis in case of acute left ventricle dysfunction following cardiac surgery. Keywords: pericardiectomy; takotsubo cardiomyopathy.

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