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Conservative management of aortic root rupture complicated with **cardiac tamponade** following transcatheter aortic valve implantation

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Abstract

Aortic root rupture and cardiac tamponade during transcatheter aortic valve implantation is a frightening complication with high mortality rate. A conservative management of this complication could represent an initial strategy, especially in high-risk patients, to avoid emergent cardiac surgery. This conservative management includes: immediate detection of pericardial effusion by echocardiography, a fast instauration of pericardial drainage, auto-transfusion and anticoagulation reversal. We describe two cases of patients who suffered this complication and were treated successfully with this initial approach.

Key words: Aortic valve stenosis; Catheters; Heart valve prosthesis; Prosthesis implantation; Cardiac tamponade

Core tip: Aortic root rupture during TAVI is a rare but severe complication with high mortality rate. We described two cases of aortic root rupture where

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缺少字词: conservative

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缺少字词: conservative

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