Aortic root rupture during trans-catheter aortic valve implantation

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Received 2 June 2010; received in revised form 1 September 2010; accepted 2 September 2010

Keywords: Trans-catheter valve implantation; Aortic rupture

An 86-year-old woman underwent transfemoral aortic valve implantation (23-mm SAPIEN). She required immediate cardiopulmonary resuscitation. Contrast angiography revealed periaortic blood extravasation (Fig. 1, panel C). Immediate operation revealed an aortic tear in the suprannular position (Fig. 1, panel D) that was repaired with direct suture. A 19-mm Mitroflow was implanted. The patient was discharged home on postoperative day 9.