Off-pump correction of an apical pseudoaneurysm after transcatheter aortic valve implantation

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A 61-year old patient presenting with an apical pseudoaneurysm after transcatheter aortic valve implantation (Braile Inovare) (Fig. 1). The pseudoaneurysm was punctured and a Foley catheter was placed inside the left ventricle cavity. The Foley catheter was pulled in order to temporarily occlude the pseudoaneurysm (Fig. 2) allowing pledget sutures to close it.

Figure 1: (A) Echocardiogram. An apical view revealing the pseudoaneurysm sac. (B) Echocardiogram. Doppler revealing flow inside the aneurysmal sac.

Figure 2: (A) Echocardiogram. A Foley catheter inside the left ventricle cavity. (B) Surgical aspect. Foley catheter in position.