Ring thrombosis following mitral valve repair

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Echocardiographic (Fig. 1) and intraoperative (Fig. 2) images display ring thrombosis following minimally invasive mitral valve repair in a patient without thrombotic risk factors, such as thrombophilic disorders, atrial fibrillation or previous radiofrequency ablation. Knots and sutures left too long have precluded complete ring endothelization favouring thrombi formation.

Figure 1: Four-chamber and 3D short axis transoesophageal echocardiographic view of the thrombi attached to the ring.

Figure 2: Thrombi attached to the ring near the sutures.