A 39-year-old woman presented with recurrent episodes of acute pericarditis over a four year period. Repeated transthoracic echocardiograms showed normal left ventricular dimensions and wall motion (fig. 1A).

During the last episode, open pericardial biopsy was performed but did not reveal evidence of a specific etiology. Fifteen months later, the patient was referred because of atypical chest pain, most likely of musculo-

**Figure 1**
A Transthoracic echocardiography (apical four chamber view) – end-systolic still frame after normal contraction of the left ventricular apex.
B Transthoracic echocardiography fifteen months later – end-systolic still frame demonstrating an aneurysm of the left ventricular apex.
C Transthoracic echocardiography showing the apical aneurysm with evidence of a thrombus (arrow) after contrast administration.

LV = left ventricle.
skeletal origin. However, the ECG at that time showed Q waves and negative T waves in leads V1 to V4. Transthoracic echocardiography now revealed a left ventricular apical aneurysm (fig. 1B), with a thrombus evident after contrast administration (fig. 1C). Coronary angiography showed smooth coronary arteries with the exception of a totally occluded mid-to-distal left anterior descending artery (LAD, fig. 2). Review of the operation report on the pericardial biopsy procedure revealed the annotation of “accidental perforation of the right ventricle resulting in heavy bleeding”, which was treated by surgical suture. Retrospectively, the LAD rather than the right ventricle must have been injured, and attempts to achieve haemostasis must have resulted in occlusion of the mid-to-distal LAD with subsequent apical infarction with aneurysm and thrombus formation. As evident from the angiogram (fig. 2) the patient’s heart had a somewhat unusual rotation. The more anterior position of the left ventricle and adhesions between the pericardium and epicardium following several episodes of pericarditis may have made the LAD more prone to this unusual complication.