A 73-year old lady underwent investigations into a continuous murmur 8 years after she had undergone aortic valve replacement for severe aortic stenosis. The subsequent cardiac computed tomography demonstrated an internal mammary arterio-venous fistula (Fig. 1). In this case, we postulate that a sternotomy wire has resulted in fistula formation.

**Figure 1:** Branches of the internal mammary artery and vein joining to form a fistula around the insertion point of the median sternotomy wire. A: artery; F: fistula; V: vein; W: wire.