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References
The list of references is available in the online version of this paper.

CARDIOVASCULAR FLASHLIGHT

The eight-shaped heart: an incidental giant left ventricular pseudoaneurysm

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A 77-year-old man was admitted to the ER for sepsis. Four years before he had an anterior myocardial infarction. At the chest radiography, a new large opacity was recognizable in the basal field of the left lung (Panel A, arrow). The patient was referred for CT 256-slice multi-detector-computed tomography, which showed a large left ventricular (LV) pseudoaneurysm (maximum diameter 7.3 cm) (Panel B, arrow) with a narrow neck (2.5 cm diameter) (Panel C) and a neck/pseudoaneurysm diameter ratio of 0.3. The volume of the cavity was 137 cm³ (Panel D), 3.4 times the LV volume. The two- and three-dimensional transthoracic echocardiography showed a thrombotic layer formation and spontaneous echocontrast inside the pseudoaneurysmal cavity (Panels E and F, arrows, Supplementary material online, Videos S1 and S2).

Left ventricular pseudoaneurysm can be asymptomatic and an incidental mass on chest X-ray may be found. Multimodality imaging should be performed for a proper evaluation and a correct diagnosis.

Supplementary material is available at European Heart Journal online.