Infected Esophageal Duplication Cyst Masquerading as Pericarditis

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Picture 1.

Picture 2.

A 24-year-old woman presented with dysphagia, chest pain and fever for three days. On examination, she had epigastric tenderness. Leukocyte count was 11,000 cells/ μ L with 82% neutrophils, with normal serum troponins and

amylase. Electrocardiogram showed diffuse PR depression and ST elevation suggestive of pericarditis (Picture 1). Echocardiogram showed a cystic mass partially compressing the left atrium (Picture 2). Computed tomography showed a 6 cm peripherally enhancing cystic mass (arrow) in the lower chest consistent with esophageal duplication cyst (Picture 3). Thoracotomy revealed a large, indurated mass between the aorta and the posterior surface of the pericardium engulfing the esophagus which was resected. Abscess cultures grew methicillin-sensitive *Staphylococcus aureus* which was treated with antibiotics.

Esophageal duplication cysts are congenital anomalies that are often detected incidentally on chest radiographs. Complications include infection, bleeding, rupture and mass effect (1). Surgical resection is generally required for cysts that cause symptoms.

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Picture 3.

Reference

1. Javan NG, Debnath J, Kumar A, Das CJ. Oesophageal duplication cyst: an unusual cause of retrosternal pain and dysphagia in an adult. *Singapore Med J* **49**: e242-e244, 2008.

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