Varicose pericardial vein: An unusual cause of right paracardiac opacity

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In case of portal hypertension, mediastinal veins can be varicose, and they might be interpreted on chest radiography or scanning as mediastinal or pulmonary masses.1 When no portal hypertension is present, the obstruction of the inferior vena cava might cause the presence of a dilated azygos-hemiazygos system2 or, more rarely, a left varicose pericardiophrenic vein.3

We report the first case of varix of the right pericardiophrenic vein without portal hypertension explored by means of video-assisted thoracoscopy because it was misinterpreted as a pleuro-pericardial cyst.

Clinical Summary
A right mass in the right cardiophrenic angle was discovered on chest radiography in a 60-year-old man after an episode of acute bronchitis. He stopped smoking in 1998 when his ischemic cardiac disease was discovered and treated with angioplasty and interventricular artery stenting. In 2002, a needle biopsy showed post-alcoholic micronodular cirrhosis.

Two months later, respiratory symptoms were solved, but the radiologic image was unmodified. No anomaly was evident at clinical examination. No sign of portal hypertension was present. At this time, hematology showed no abnormality but a moderately increased level of γ-glutamyl transpeptidase (251 U/L). The results of electrocardiography were normal.

Chest scans showed 2 contiguous round lesions in the right cardiophrenic angle that were hypodense with regular borders and probably interconnected in their lower part (Figure 1). The largest nodule was the posterior one, and it measured 23 mm in diameter. Contrast injection showed no enhancement in both. Mild hepatomegaly was present.

We decided to perform a right video-assisted thoracoscopy for the clinical suspicion of a pleuropericardial cyst. At exploration, on the pericardium, a varicose and serpiginous network from the pericardiophrenic vein was found, extending from the diaphragm to the upper paracaval region with a maximum diameter of approximately 1 cm (Figure 2).

The postoperative period was uneventful, and the patient was discharged 2 days after the operation.

An abdominal echocardiographic Doppler examination was performed 1 month later. It showed a membranous obstruction of the inferior vena cava 18 mm below the diaphragm in its retrohepatic portion, and only the right suprahepatic vein was visualized.

A course of simple surveillance was decided on in the absence of other abnormalities.

Discussion
The varix of the pericardiophrenic vein might represent a diagnostic pitfall because it can be erroneously interpreted as a pulmonary or mediastinal mass.
Foreign-body excretion through the bronchial stump after extrapleural pneumonectomy

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Foreign-body excretion is a bioresponse of the human body. Bronchial foreign bodies commonly occur through aspiration or inhalation. We present a rare case of the excretion of a foreign body through the bronchial stump 19 months after pneumonectomy.

Clinical Summary
A 52-year-old man had a high fever and chest discomfort. He underwent a left extrapleural pneumonectomy for malignant pleural mesothelioma 19 months earlier. He received postoperative chemotherapy, which consisted of 4 cycles of cisplatin, doxorubicin, and cyclophosphamide, and sequential radiation therapy for the entire hemithorax of 56 Gy in total.1,2 Blood count showed leukocytosis, and chemistry showed an increased C-reactive protein level. Chest radiography showed no abnormal lesions except for left-side opacity after pneumonectomy. Computed tomography of the chest and the abdomen showed no evidence of recurrence of malignant pleural mesothelioma. Culture of thoracentesis fluid showed no growth of microorganisms. Bronchoscopic examination revealed a foreign body, a whitish cottony material, at the left main bronchial stump (Figure 1). Endoscopic extraction with forceps identified a hemostat of oxidized cellulose (Figure 2). After the extraction, a blue suture was translucently identified in the mucosa of the bronchial stump. Bronchopleural fistula was not seen during or after the extraction. Culture of the material revealed Haemophilus species. After the removal of the infected foreign body, the patient recovered quickly and has been doing well for 3 years.

The bronchial stump at the left extrapleural pneumonectomy was hand sutured with interrupted polypropylene sutures (3-0 Prolene; Ethicon Inc, Somerville, NJ) and reinforced with a pedicled intercostal muscle by using the same polypropylene sutures for bronchus. On the next day, the patient underwent a re-expansion of the thorax as a result of the excessive blood loss. After hemostasis was obtained, cotton-type oxidized cellulose (Oxycel; Sankyo Co, Tokyo, Japan) was inserted into the mediastinum as a hemostat. Bronchoscopic examination 4 weeks after the pneumo-