LETTER TO THE EDITOR



SUPERIOR VENA CAVA SYNDROME

To the Editor: I read with interest the article by Maggiano et al¹ in your January-February 1992 issue, which described an uncommon cause of the superior vena cava (SVC) syndrome-open heart surgery. We previously reviewed the Cleveland Clinic's experience with benign causes of the syndrome and reported 16 cases, with the most common cause being mediastinal granuloma or mediastinal fibrosis secondary to histoplasmosis. One case was related to congestive heart failure.² We also reviewed the English literature on the subject and classified the various causes of benign SVC syndrome up to that date (Table). Subsequently, additional cases have been reported related to nocardia asteroides mediastinitis,3 filarial mediastinal lymphadenitis,⁴ benign mediastinal bronchogenic cyst,⁵ and to invasive procedures such as Swan-Ganz catheterization,⁶ central venous catheterization,^{7,8} Hickman-Broviac catheterization,9 and LeVeen shunting.10

A case of benign SVC syndrome has also been reported secondary to an infected thrombus presenting as a right atrial mass.¹¹ SVC syndrome as a complication of open heart surgery and cardiac tamponade can now be added to the list of known benign causes of SVC syndrome.

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TABLE

REPORTED CAUSES OF BENIGN SUPERIOR VENA CAVA COMPRESSION SYNDROME

Mediastinitis

Tuberculosis Histoplasmosis Actinomycosis Syphilis Pyogenic Postradiation Idiopathic

Mediastinal tumors

Cystic hygroma Substernal thyroid goiter Benign teratoma Dermoid cvst "Benign" mediastinal thymoma

Vascular

- Aortic aneurysm
- Arteriovenous fistula Vasculitis
- Congenital superior vena cava aneurysm Bilateral superior vena cava with thrombosis Idiopathic thrombophlebitis with thrombosis Thrombosis accompanying polycythemia

Cardiac

- Atrial myxoma Intrapericardial band Pericarditis Mitral stenosis
- Surgical bypass in congenital heart disease
- Complication of ventriculoatrial shunt
- Complication of transvenous cardiac pacemaker

Pulmonary

- Mediastinal emphysema
- Pneumothorax
- Traumatic

Mediastinal hematoma

Other causes

Behçet's syndrome Retroperitoneal fluid Bilateral clavicular osteomyelitis Silicosis Sarcoidosis

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