

[PICTURES IN CLINICAL MEDICINE]

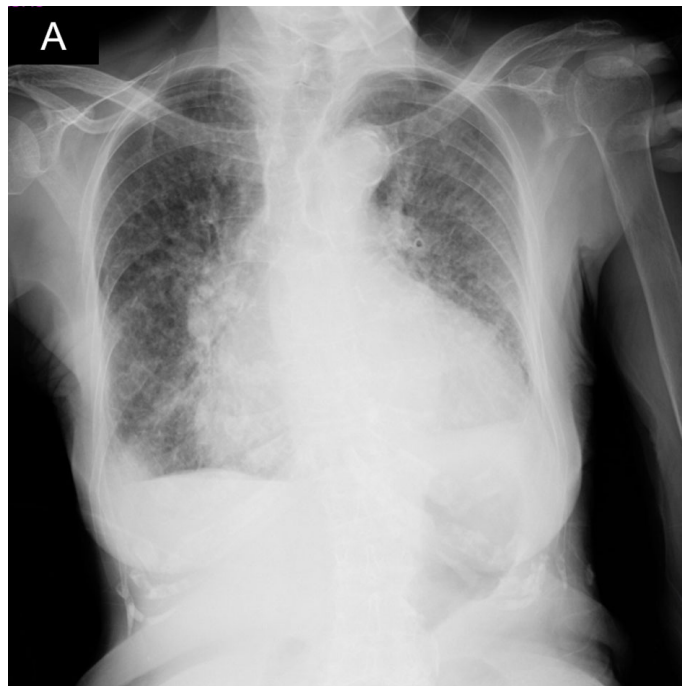
A Rare Combination: Cardiac Myxoma and Aortic Stenosis

Takao Konishi¹, Daisuke Hotta², Shinya Tanaka³ and Toshihisa Anzai¹

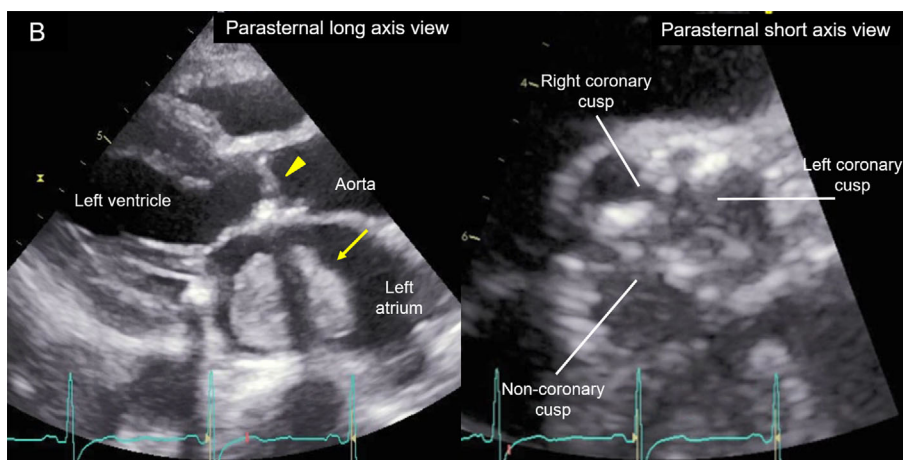
Key words: cardiac myxoma, aortic valve stenosis, congestive heart failure

(Intern Med 60: 961-962, 2021)

(DOI: 10.2169/internalmedicine.5953-20)

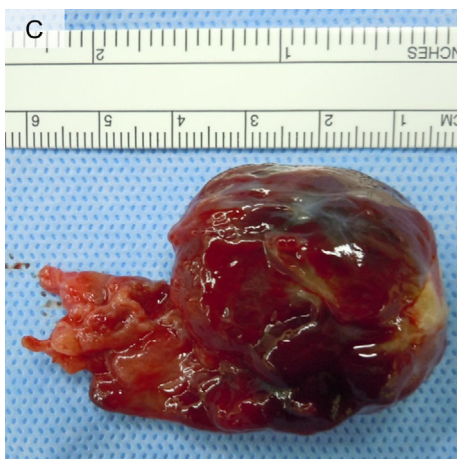


Picture 1.

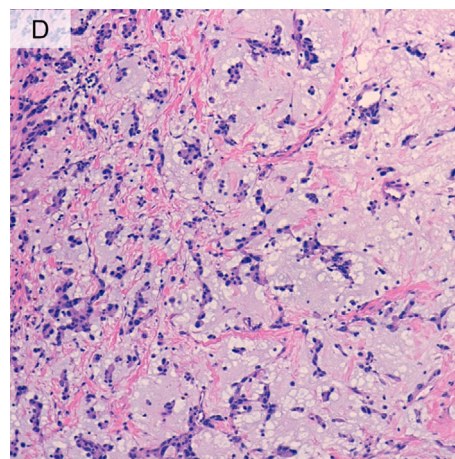


Picture 2.

¹Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Japan, ²Department of Cardiology, Hokkaido Cardiovascular Hospital, Japan and ³Department of Cancer Pathology, Faculty of Medicine, Hokkaido University, Japan
Received: July 24, 2020; Accepted: August 31, 2020; Advance Publication by J-STAGE: October 14, 2020
Correspondence to Dr. Takao Konishi, takaokonishi0915@gmail.com



Picture 3.



Picture 4.

An 89-year-old woman who had been complaining of shortness of breath on exertion for 11 months presented to the emergency department with paroxysmal nocturnal dyspnea. Chest X-ray revealed cardiomegaly and pulmonary edema (Picture 1). Transthoracic echocardiography showed a left atrial mass (arrow) and severely limited opening of the aortic valve (arrowhead) (Picture 2). The aortic valve was calcific with an increased peak systolic velocity (5.7 m/s) and pressure gradient (mean 83 mmHg), which indicated severe aortic valve stenosis (AS). The next day, the patient underwent excision of the tumor (Picture 3) and aortic valve replacement. The histopathological examination confirmed the diagnosis of myxoma (Picture 4). Large atrial myxoma can sometimes cause an obstruction in the mitral flow, mimicking mitral stenosis (1, 2). In the present case, the combination of large atrial myxoma and severe AS might lead to the aggravation of heart failure. To our knowledge, this is

the oldest patient to undergo successful surgical removal for the combination of these two diseases.

The authors state that they have no Conflict of Interest (COI).

References

1. Leo S, Yang K, Weng C, Liang Z. Large atrial myxoma mimicking severe mitral stenosis associated with right heart enlargement and severe pulmonary hypertension. *Cardiovasc Diagn Ther* **3**: 52-54, 2013.
2. Mouine NN, Asfalou II, Raissouni MM, Benyass AA, Zbir el ME. Giant left atrial myxoma mimicking severe mitral valve stenosis and severe pulmonary hypertension. *Int Arch Med* **6**: 13, 2013.

The Internal Medicine is an Open Access journal distributed under the Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License. To view the details of this license, please visit (<https://creativecommons.org/licenses/by-nc-nd/4.0/>).