

[ PICTURES IN CLINICAL MEDICINE ]

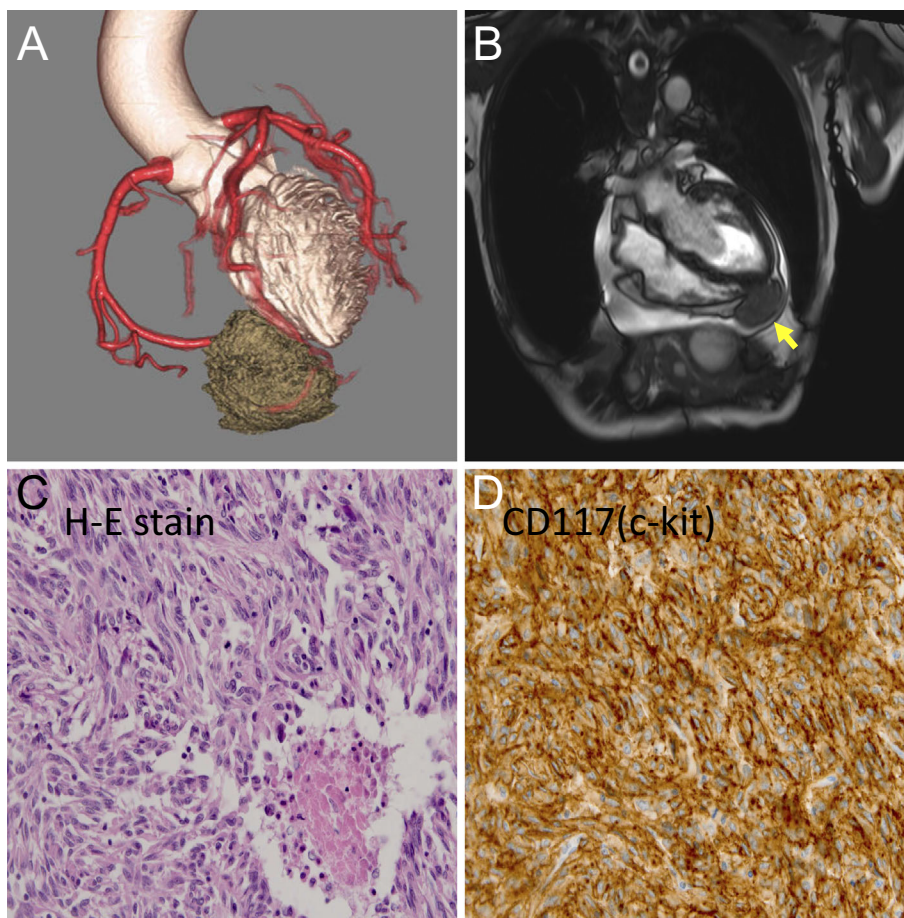
## Extracardiac Tumor from Duodenal Primary Gastrointestinal Stromal Tumor

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**Key words:** gastrointestinal stromal tumor, cardiac tumor

(Intern Med 57: 1327-1328, 2018)

(DOI: 10.2169/internalmedicine.0056-17)



**Picture.**

A 74-year-old woman with a duodenal primary gastrointestinal stromal tumor (GIST) presented to the emergency department with cardiogenic shock and died of cardiac tamponade due to extracardiac tumor rupture. A previous coronary computed tomography angiogram (Picture A) showed that the tumor had nutrient vessels from the right coronary

artery and left anterior descending artery. Cardiovascular magnetic resonance imaging (Picture B) revealed that the tumor (arrow) had a heterogeneous contrast effect, and it continued from the cardiac muscle. She elected to receive conservative medical treatment. During the autopsy, an elastic, soft tumor measuring 7×8×7 cm was detected under the

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Received: August 17, 2017; Accepted: September 12, 2017; Advance Publication by J-STAGE: December 27, 2017  
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ventricular serosa. Pathologically, mild atypical spindle cells showed funicular proliferation (Picture C) and were CD117 (c-kit)-positive by immunostaining (Picture D). Therefore, the extracardiac tumor was diagnosed as metastasis from the GIST. Although two-thirds of GIST patients with metastatic disease have been reported to have hepatic involvements (1), cardiac metastasis is very rare (2).

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

## References

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*Intern Med* 57: 1327-1328, 2018