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## Conditions Associated With Left Ventricular Apical Ballooning

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Left ventricular apical ballooning with ST-segment elevation in precordial leads can be found in tako-tsubo cardiomyopathy, myocardial infarction, or hypertrophic cardiomyopathy with midventricular obstruction (Figure 1, Figure 2). Tako-tsubo cardiomyopathy is not associated with obstructive coronary artery disease, and a thrombolytic agent

is harmful rather than useful. On the other hand, in myocardial infarction, reperfusion therapy with a thrombolytic agent is useful for obstructive coronary artery disease. Because their suitable treatments are different, clinicians should make a precise diagnosis early and carefully.

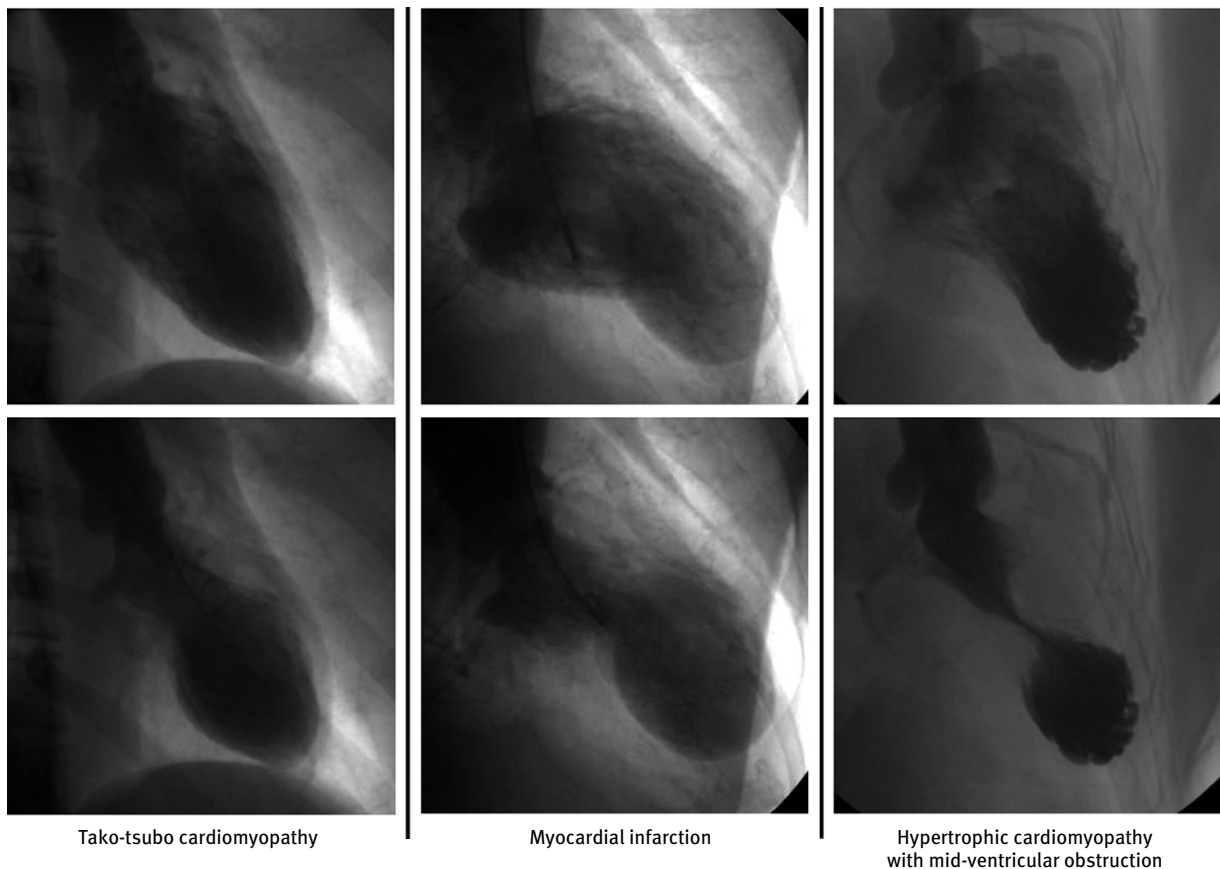


Figure 1. Left ventriculograms of tako-tsubo cardiomyopathy, myocardial infarction, and hypertrophic cardiomyopathy with midventricular obstruction.

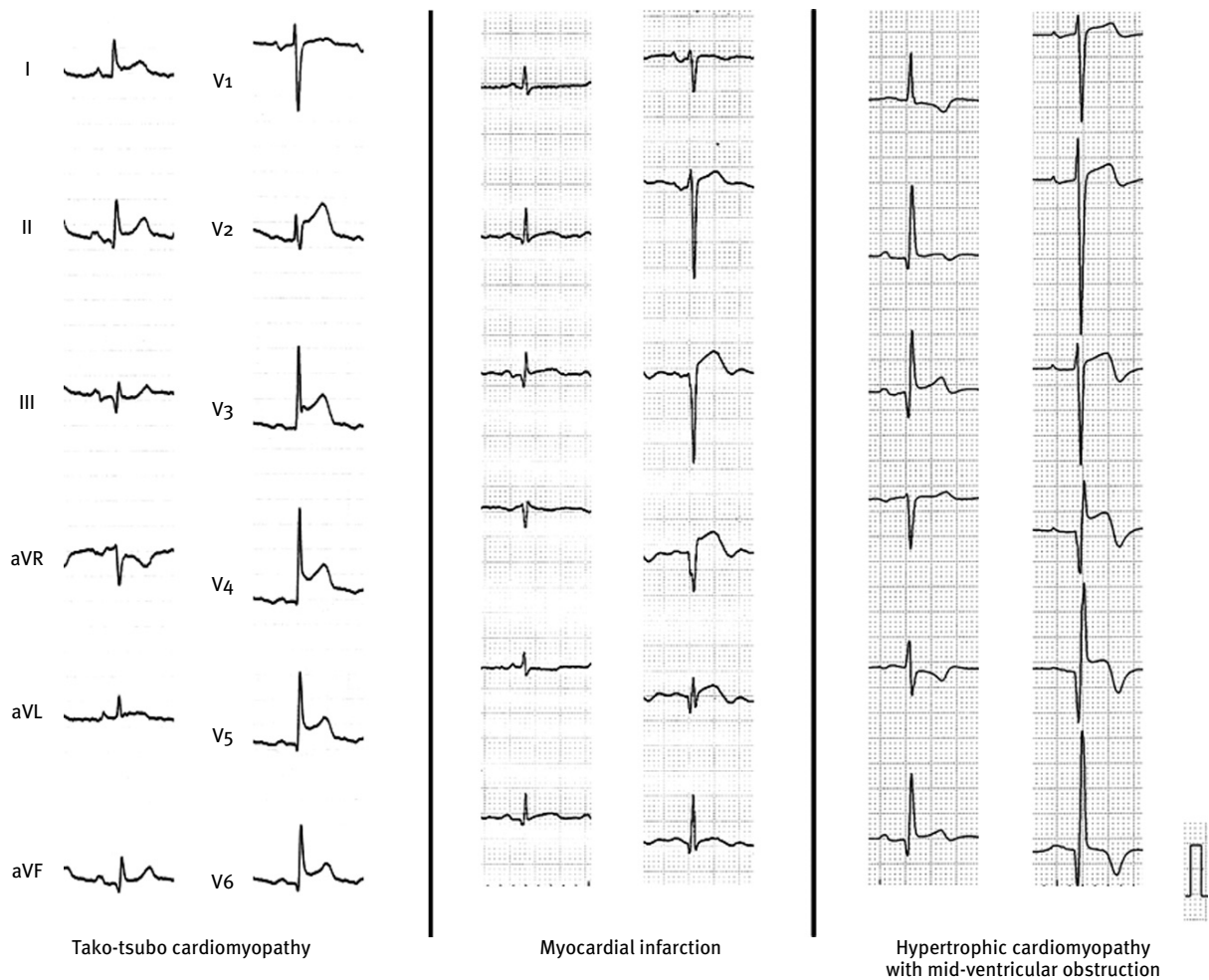


Figure 2. Electrocardiograms of tako-tsubo cardiomyopathy, myocardial infarction, and hypertrophic cardiomyopathy with midventricular obstruction.