

ECG Contest

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A 48-year-old woman with advanced hypertrophic cardiomyopathy and restrictive physiology, several prior episodes of arrhythmia, several previous pulmonary vein ablations, and atypical flutter, underwent a heart transplant with the Shumway technique. On the second day after the transplant, the ECG shown in Figure 1 was recorded. Amiodarone bolus was administered without effect. Finally, electrical cardioversion was performed, after which, the ECG shown in Figure 2 was recorded, without (Figure 2A) and with (Figure 2B) atrial pacing with a temporary epicardial pacemaker.



Figure 1.

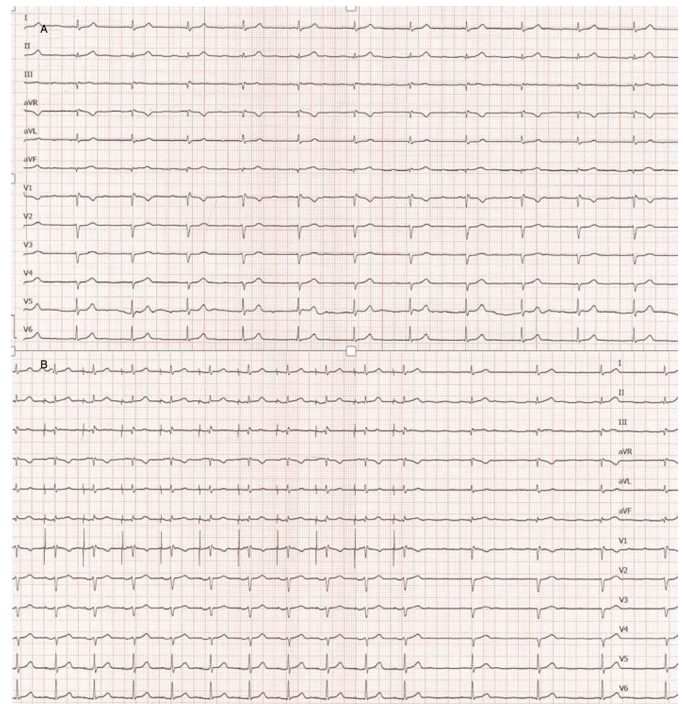


Figure 2.

What do you think was the diagnosis?

1. Cardioversion has not occurred. The patient has atrial flutter with conduction slowed by amiodarone.
2. Nodal escape was present due to sinus dysfunction of the graft, with atrial flutter of the native atrium.
3. Atrial tachycardia with complete atrioventricular block occurred after electrical cardioversion.
4. Sinus dysfunction was present with nodal escape of the graft and dissociated native sinus activity.

Submit your answer to <http://www.revespcardiol.org/en/electroreto/73/1>. The answer will be published in the next issue (February 2020). #RetoECG.

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