An 8-year-old boy attended the clinic for assessment of a murmur. He played football 3 times a week and was asymptomatic, with no personal or family history of interest. His blood pressure was 90/50 mmHg. $S_1$ and $S_2$ were normal while $S_3$ and $S_4$ were absent. He had a 2/6 systolic murmur in the aortic area, without radiation.

What is the interpretation of the electrocardiogram recorded (figure 1)?

1. Sinus bradycardia with short PR. Physiological adaptation to exercise
2. Negative T waves are not normal until V4 and he presented prolonged QTc
3. Complete atioventricular block
4. Isorhythmic atioventricular dissociation of physiological origin, given the patient plays sports

Submit your answer to http://www.revespcardiol.org/en/electroreto/73/08. The answer will be published in the next issue (September 2020). #RetoECG.

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