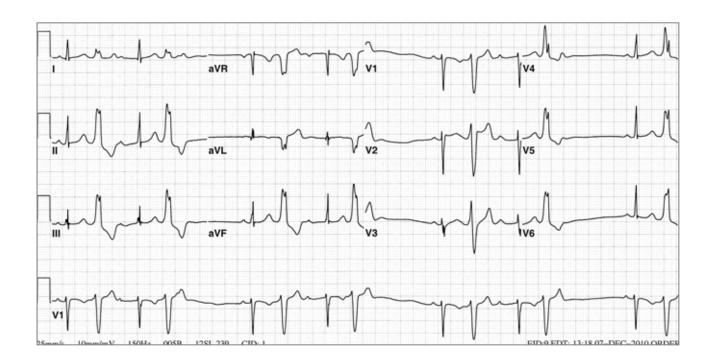




Rob Scott Millar and Ashley Chin

Cardiac Clinic, University of Cape Town / Groote Schuur Hospital Cardiac Arrhythmia Society of Southern Africa (CASSA)



The patient is a 40-year-old man with no cardiac symptoms who has come to you for a check-up. Examination was normal, apart from the arrhythmia.

QUESTION I: Which ONE of the following is the best ECG diagnosis?

- a. Sinus rhythm with ventricular bigeminy.
- b. Sinus rhythm with interpolated and non-interpolated PVCs.
- c. Sinus rhythm plus atrial premature complexes conducted with LBBB and variable AV block.
- d. Multifocal atrial rhythm with intermittent LBBB.
- e. Mobitz type I (Wenckebach) AV block with intermittent LBBB.

QUESTION 2: Would you:

- a. Tell him that the arrhythmia is benign and no further action is necessary, unless he develops symptoms.
- b. Do further tests to establish whether his heart is structurally normal.
- c. Do an exercise stress test to look for evidence of ischaemia.
- d. Prescribe an antiarrhythmic drug to supress the arrhythmia.
- e. Consider implanting a permanent pacemaker.

Please analyse the ECG carefully and commit yourself to an answer before checking the explanation.

ANSWER on page 46