



This is the ECG of a 79-year old woman with no past medical history who presents with shortness of breath at rest for 1 day. She admits to an episode of severe chest pain lasting a couple of hours the previous day. On examination she is mildly distressed, not in pain, with a BP of 90/60 and crackles in lung lower zones.

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

- (a) Sinus node dysfunction with first degree heart block and right ventricular hypertrophy;
- (b) Sinus bradycardia with infero-posterior infarction;
- (c) Sinus bradycardia with J-waves (Osborne waves) of hypothermia;
- (d) Sinus rhythm with second degree AV block, bundle branch block and infarction;
- (e) Pulmonary embolism; or
- (f) Sinus bradycardia, Right Bundle Branch Block and acute pericarditis?

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

**ANSWER** on page 130