

ECG #21

A 67-year-old man presents with central dull chest pain, radiating down his right arm, commencing about 45 minutes previously, whilst eating lunch. Describe and interpret his initial 12-lead electrocardiogram:



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INTERPRETATION:

- Ventricular rate 50 bpm
- Accelerated junctional rhythm
- Normal QRS axis (32°)
- QRS duration 82 ms
- Inferior Q waves
- QTc 377 ms
- Inferior ST segment elevation (II, III, aVF; III > II) – consider RV involvement
- Slight ST elevation in lateral precordial leads (V5, V6)
- Reciprocal ST segment depression and T wave inversion in leads I, aVL, and V2

DIAGNOSIS:

- Inferior ST elevation myocardial infarction (STEMI).
- Patient received successful percutaneous coronary intervention (PCI) to his completely occluded right coronary artery (RCA).

Check out this [post](#) from LITFL for more information.