#### **ACUTE MYOCARDIAL INFARCTION**

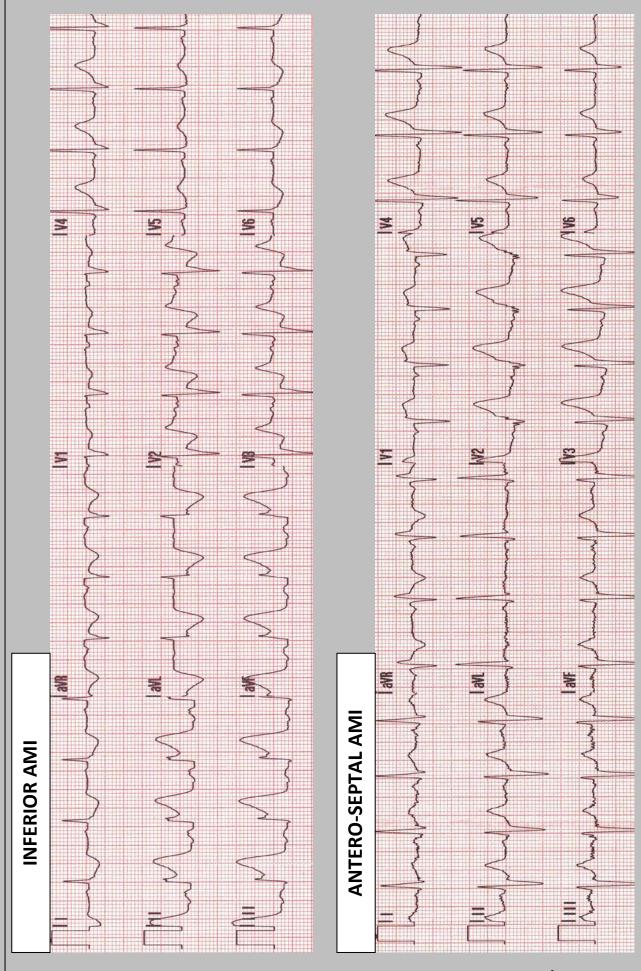


- Acute myocardial injury may present with raised ST.
- Commonly, this is an acute ischaemic injury.
- ST elevation is considered significant when >1mm in the limb leads and/or
  >2mm in the V leads, in greater than 2 contiguous leads.
- Infarction can present as a pathological Q wave (older sign of full thickness infarction: ≥ 0.04mm wide, and deeper than 25% of the height of the R wave).
- Infarction may also present with T wave changes:
  - > inverted
  - > large, "hyperacute".
- ST depression may indicate myocardial ischaemia, and occasionally myocardial infarction.
- ECG changes with reliable or suspicious clinical story may indicate myocardial ischaemia / infarction.

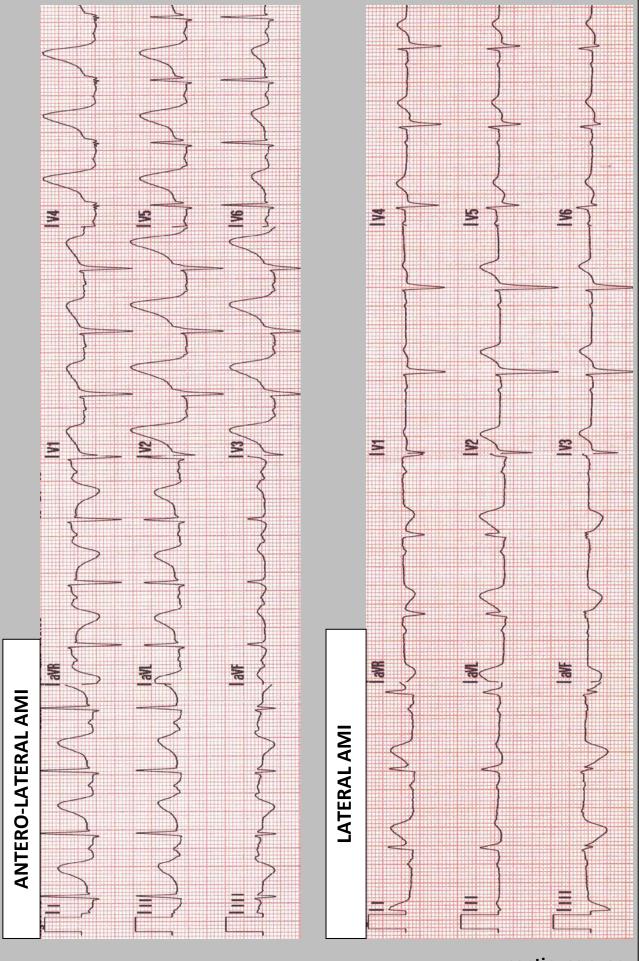
I lateral	aVR	<b>V1</b> septal	<b>V4</b> anterior
II inferior	<b>aVL</b> lateral	<b>V2</b> septal	<b>V5</b> lateral
III inferior	aVF inferior	<b>V3</b> anterior	V6 lateral

INFARCTION OVERVIEW		
SITE	INDICATIVE LEADS	
Inferior	II, III, aVF	
Septal	V1, V2	
Anterior	V3, V4	
Antero-septal	V1, V2, V3, V4	
Lateral	I, aVL, V6 (V5)	
Antero-lateral	I, aVL, V3, V4, V5, V6	
Right ventricular	V3R, V4R, V5R, V6R (usually seen with inferior changes)	
Posterior	Reciprocal changes – anterior leads (V3, V4)	
rosterioi	Indicative changes – V8, V9	

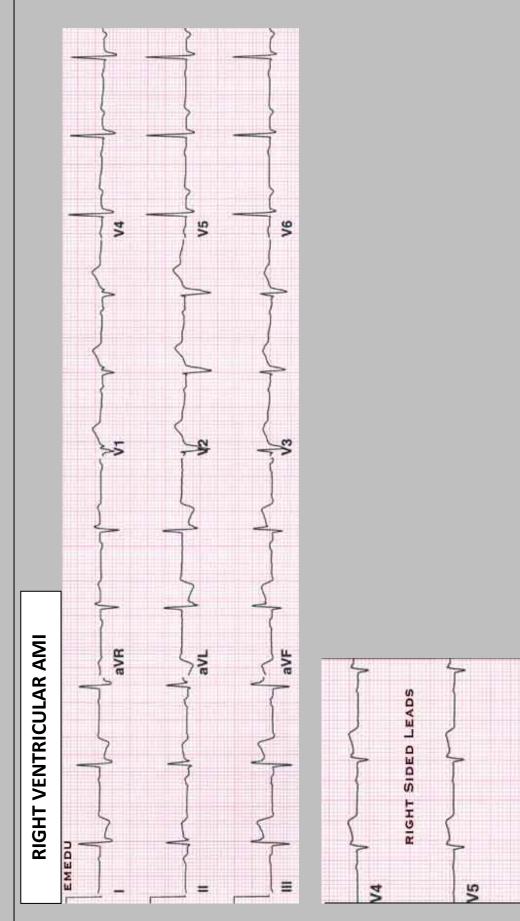




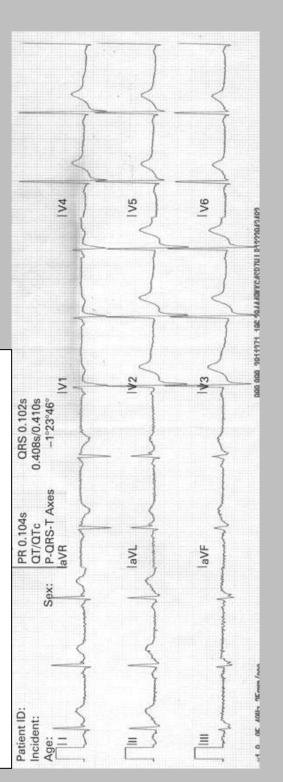












POSTERIOR AMI (1): standard 12 lead ECG

