CARDIOLOGY

ECG ANALYSIS

Anterior STEMI

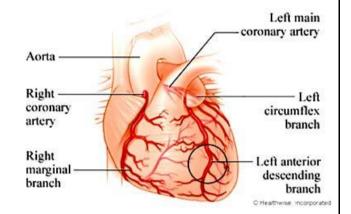
- Occlusion of left anterior descending artery (LAD)
- Worst prognosis due to large infarct size
- ST elevation with pathological Q waves in V1- 6 and leads I & aVL
- Reciprocal change inferiorly (ST depression III & aVF)

Precordial lead classification:

- V1- 2= Septal
- V3- 4= Anterior
- V5- 6= Lateral

These often don't occur in isolation, so you may see:

- Anteroseptal= V1- 4
- Anterolateral= V3- 6, I & aVL



Other concerning ECGs for anterior ischaemia include:

Left main stem occlusion

ST elevation in aVR > V1 with widespread ST depression in context of chest pain (**See overleaf**) Can also represent proximal LAD & 3 vessel disease

Wellen's syndrome

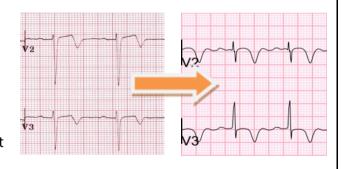
Biphasic T waves or deep precordial TWI V2 & V3 in context of recently **resolved severe chest pain** with normal Trop or small rise rise.

Occlusion > Re- perfusion

Very high risk for re- occlusion

Can occur in RCA & LCA also

Can occur in vasospasm e.g. cocaine induced chest pain- not high risk feature here



De Winter's T waves

Upsloping ST segment depression >1mm at the J-point in the precordial leads

Tall, prominent, T waves in the precordial leads starting below baseline Absence of ST elevation in the precordial leads ST segment elevation (0.5mm-1mm) in aVR



