Acute coronary syndrome

History and clinical assessment suggest ACS

12-lead ECG

ST-segment elevation or new* LBBB

STEMI
ST-segment-elevation myocardial infarction

Other ECG changes or normal ECG

Troponin concentration

Troponin release present

NSTEMI
Non-ST-segment-elevation myocardial infarction

Troponin consistently negative

Reconsider other causes of chest pain

Unstable angina

Higher risk NSTE ACS may be indicated by:
- ST-segment depression
- Dynamic ECG changes
- Unstable rhythm
- Unstable haemodynamics
- Diabetes mellitus
- High GRACE score

*Known to be new LBBB or presumed new LBBB

GRACE – Global Registry of Acute Coronary Events
LBBB – Left bundle branch block
NSTE ACS – Non-ST-segment-elevation acute coronary syndromes
NSTEMI – Non-ST-segment-elevation myocardial infarction
STEMI – ST-segment-elevation myocardial infarction