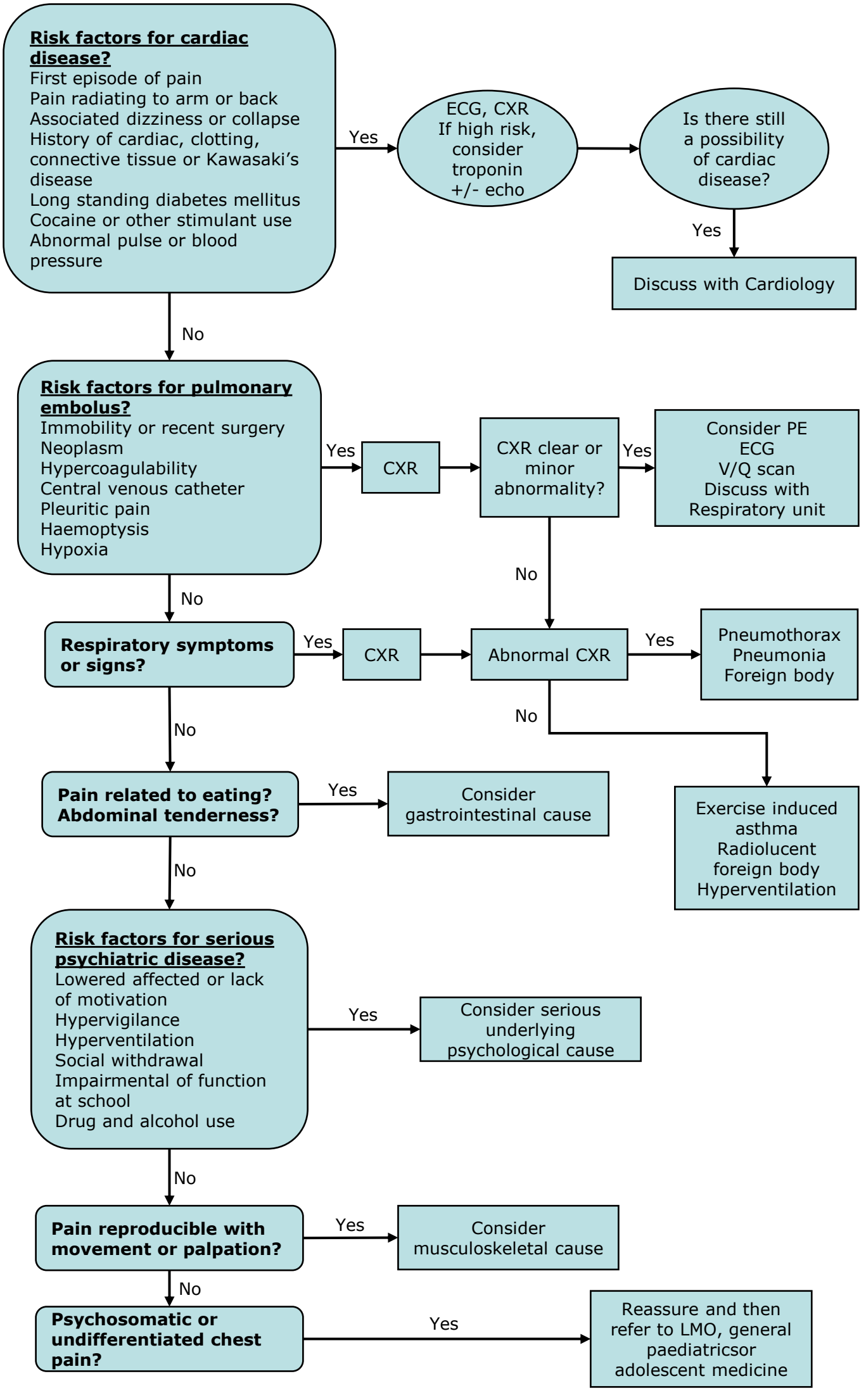
Risk factors for cardiac disease?
First episode of pain
Pain radiating to arm or back
Associated dizziness or collapse
History of cardiac, clotting, connective tissue or Kawasaki's disease
Long standing diabetes mellitus
Cocaine or other stimulant use
Abnormal pulse or blood pressure
Yes
ECG, CXR
If high risk, consider troponin +/- echo
Is there still a possibility of cardiac disease?
Yes
Discuss with Cardiology
No
Risk factors for pulmonary embolus?
Immobility or recent surgery
Neoplasm
Hypercoagulability
Central venous catheter
Pleuritic pain
Haemoptysis
Hypoxia
Yes
CXR
CXR clear or minor abnormality?
Yes
Consider PE
ECG
V/Q scan
Discuss with Respiratory unit
No
No
Respiratory symptoms or signs?
Yes
CXR
Abnormal CXR
Yes
Pneumothorax
Pneumonia
Foreign body
No
Exercise induced asthma
Radiolucent foreign body
Hyperventilation
No
Pain related to eating?
Abdominal tenderness?
Yes
Consider gastrointestinal cause
No
Risk factors for serious psychiatric disease?
Lowered affected or lack of motivation
Hypervigilance
Hyperventilation
Social withdrawal
Impairmental of function at school
Drug and alcohol use
Yes
Consider serious underlying psychological cause
No
Pain reproducible with movement or palpation?
Yes
Consider musculoskeletal cause
No
Psychosomatic or undifferentiated chest pain?
Yes
Reassure and then refer to LMO, general paediatricsor adolescent medicine