

# Appendix C - Guideline Question

Questions	Population	Interventions	Comparisons	Outcomes
What are the education and information needs in adults presenting with chest pain to optimise their understanding of the diagnostic process and their participation in decisions about their investigations?	Adults presenting with chest pain/discomfort of suspected cardiac origin pending investigation/diagnosis	Education and information	No structured information and education	Optimal understanding and shared decision making
What is the incremental benefit and cost effectiveness of a clinical history, risk factors and physical examination in evaluation of individuals with acute chest pain of suspected cardiac origin?	Adults presenting with chest pain/discomfort of suspected cardiac origin	Clinical history (descriptors of chest pain and associated symptoms) of people with acute chest pain	None	Discrimination or aid in discrimination between chest pain of cardiac origin (ACS and Angina) and non-cardiac origin for diagnosis
What is the diagnostic utility of pain relief with nitrates in the identification of patients with acute chest pain of cardiac origin.	Adults presenting with stable chest pain/discomfort of suspected cardiac origin	Nitrates	None	Diagnosis of angina
Are the symptoms and description of the symptoms different in women presenting with acute chest pain of suspected cardiac origin compared with men	Subgroups presenting with acute chest pain/discomfort of suspected cardiac origin	Clinical history (descriptors of chest pain and associated symptoms) of people with acute chest pain; women versus men	None	Discrimination or aid in discrimination between chest pain of cardiac origin (ACS0) and non-cardiac origin for diagnosis
Are the symptoms and description of the symptoms different in Black and Ethnic Minorities presenting with acute chest pain of suspected cardiac origin compared with Caucasians	Subgroups presenting with acute chest pain/discomfort of suspected cardiac origin	Clinical history (descriptors of chest pain and associated symptoms) of people with acute chest pain; Black and Ethnic Minorities	None	

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What is the utility (incremental value) and cost effectiveness of the resting ECG in evaluation of individuals with acute chest pain of suspected cardiac origin?	Adults presenting with acute chest pain/discomfort of suspected cardiac origin.	Resting ECG	Not applicable	Refine the diagnostic likelihood of cardiac chest pain? or Discrimination between chest pain of cardiac origin and non-cardiac origin for diagnosis?
What is the utility (incremental value) and cost effectiveness of a chest X ray in evaluation of individuals with chest pain of suspected cardiac origin?	Adults presenting with acute chest pain/discomfort of suspected cardiac origin	Chest X ray	Not applicable	Refine the diagnostic likelihood of cardiac chest pain? or Discrimination between chest pain of cardiac origin and non-cardiac origin for diagnosis?
In adults presenting with acute chest pain/discomfort of suspected cardiac origin, what is the clinical and cost effectiveness of giving oxygen compared with a placebo?	Adults presenting with acute chest pain/discomfort of suspected cardiac origin	Oxygen	Placebo, no oxygen and other relevant comparators	Proposed outcomes: Adverse events Mortality Cardiovascular events (including vascular death, non fatal MI, non fatal stroke, recurrent ischaemia) symptoms
In adults presenting with chest pain, what is the clinical and cost effectiveness of pain management (e.g. sublingual and buccal nitrates, diamorphine, morphine with anti-emetic) compared with active comparators?	Adults presenting with acute chest pain/discomfort of suspected cardiac origin	Pain management (eg sublingual and buccal nitrates diamorphine, morphine with anti-emetic, tramindol)	Placebo and other relevant comparators, control, usual care, oxygen	Pain relief, adverse events, diagnosis of chest pain
In adults presenting with chest pain/discomfort of acute suspected cardiac origin, what is the clinical and cost effectiveness of anti-platelet therapy (aspirin, clopidogrel alone or in combination) compared with a placebo?	Adults presenting with chest pain/discomfort of suspected cardiac origin	Anti-platelet therapy: Aspirin, Clopidogrel, aspirin and clopidogrel combination	Placebo and other relevant comparators (including comparison to nothing, control, or alternative anti-platelet therapy)	Proposed outcomes: Adverse events Mortality Cardiovascular events (including vascular death, non fatal MI, non fatal stroke, recurrent ischaemia)

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What is the utility and cost effectiveness of cardiac biomarkers in evaluation of individuals with acute chest pain of suspected cardiac origin?	Adults presenting with acute chest pain/discomfort of suspected cardiac origin	Biomarkers	None	Discrimination between chest pain of cardiac origin and non-cardiac origin for diagnosis
What is the diagnostic utility MSCT coronary angiography in the diagnosis of patients with acute chest pain of suspected cardiac origin	Adults presenting with acute chest pain/discomfort of suspected cardiac origin	MSCT	Coronary angiography	
What is the incremental benefit and cost effectiveness of a clinical history, risk factors and physical examination in evaluation of individuals with stable chest pain of suspected cardiac origin?	Adults presenting with stable chest pain/discomfort of suspected cardiac origin	Clinical history (descriptors of chest pain and associated symptoms) of people whose pain is not acute (stable chest pain)	Not applicable	Discrimination or aid in discrimination between chest pain of cardiac origin (Angina) and non-cardiac origin for diagnosis
Are the symptoms and description of the symptoms different in women presenting with stable chest pain of suspected cardiac origin compared with men	Subgroups presenting with stable chest pain/discomfort of suspected cardiac origin	Clinical history (descriptors of chest pain and associated symptoms) of people with stable chest pain; women versus men	Not applicable	
Are the symptoms and description of the symptoms different in Black and Ethnic Minorities presenting with stable chest pain of suspected cardiac origin compared with Caucasians	Subgroups presenting with stable chest pain/discomfort of suspected cardiac origin	Clinical history (descriptors of chest pain and associated symptoms) of people with stable chest pain; Black and Ethnic Minorities	Not applicable	
What is the utility (incremental value) and cost effectiveness of the resting ECG in evaluation of individuals with stable chest pain of suspected cardiac origin?	Adults presenting with stable chest pain/discomfort of suspected cardiac origin	Resting ECG	None	
What is the diagnostic utility of calcium scoring for the evaluation of patients with stable chest pain of cardiac origin.	Adults presenting with stable chest pain/discomfort of suspected cardiac origin	Calcium scoring	Not applicable	

Questions

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Search Strategies and Question Audit will be added to the final document