Use of diagnostic imaging tests in the initial diagnostic management of symptomatic patients with suspected coronary artery disease

Recommendations	Classa	Levelb
Non-invasive functional imaging for myocardial ischaemia ^c or coronary CTA is recommended as the initial test to diagnose		
CAD in symptomatic patients in whom obstructive CAD cannot be excluded by clinical assessment alone. 4,5,55,73,78-80	1	В
t is recommended that selection of the initial non-invasive diagnostic test is done based on the clinical likelihood of CAD		**************************************
and other patient characteristics that influence test performance, docal expertise, and the availability of tests.	ı	С
Functional imaging for myocardial ischaemia is recommended if coronary CTA has shown CAD of uncertain functional sig- nificance or is not diagnostic. ^{4,55,73}	1	В
nvasive coronary angiography is recommended as an alternative test to diagnose CAD in patients with a high clinical likeli-		
good, severe symptoms refractory to medical therapy or typical angina at a low level of exercise, and clinical evaluation	1	
hat indicates high event risk. Invasive functional assessment must be available and used to evaluate stenoses before revas- ularization, unless very high grade (>90% diameter stenosis). ^{71,72,74}		В
nvasive coronary angiography with the availability of invasive functional evaluation should be considered for confirmation f the diagnosis of CAD in patients with an uncertain diagnosis on non-invasive testing. ^{71,72}	lla	В
oronary CTA should be considered as an alternative to invasive angiography if another non-invasive test is equivocal or on-diagnostic.	lla	C
oronary CTA is not recommended when extensive coronary calcification, irregular heart rate, significant obesity, inabil- to cooperate with breath-hold commands, or any other conditions make obtaining good image quality unlikely.	- 111	c
oronary calcium detection by CT is not recommended to identify individuals with obstructive CAD.	111	С

CAD = coronary artery disease; CT = computed tomography; CTA = computed tomography angiography.

Use of exercise electrocardiogram in the initial diagnostic management of patients with suspected coronary artery disease

Recommendations	Classa	Level ^b	
Exercise ECG is recommended for the assessment of exercise tolerance, symptoms, arrhythmias, BP response, and event	1	С	
risk in selected patients. ^c		processor and a first	
Exercise ECG may be considered as an alternative test to rule-in and rule-out CAD when non-invasive imaging is not	ПЬ	В	
available. 73,83			_
Exercise ECG may be considered in patients on treatment to evaluate control of symptoms and ischaemia.	ШЬ	С	2016
Exercise ECG is not recommended for diagnostic purposes in patients with ≥0.1 mV ST-segment depression on resting	iu	С	ESC
ECG or who are being treated with digitalis.			9

BP = blood pressure; CAD = coronary artery disease; ECG = electrocardiogram.

^aClass of recommendation.

bLevel of evidence

^cStress echocardiography, stress cardiac magnetic resonance, single-photon emission CT, or positron emission tomography.

dCharacteristics determining ability to exercise, likelihood of good image quality, expected radiation exposure, and risks or contraindications.

^aClass of recommendation.

bLevel of evidence.

[&]quot;When this information will have an impact on diagnostic strategy or management.