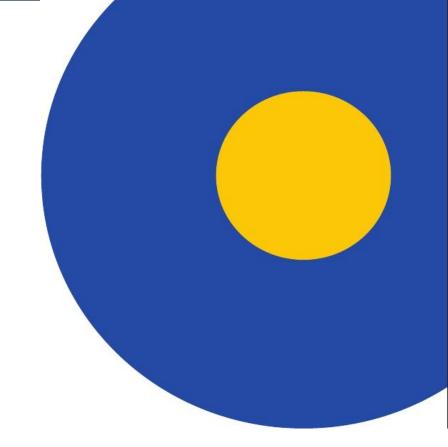
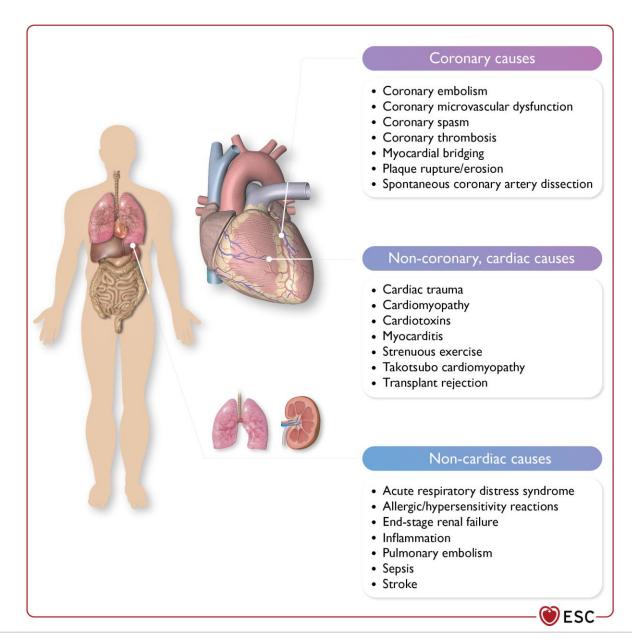
Acute Coronary Syndrome – Part 2
According to 2023 ESC guidelines



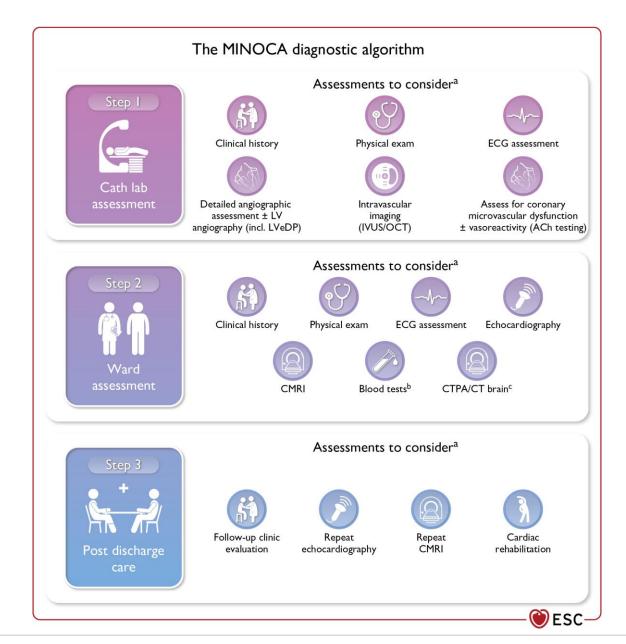


Underlying causes for patients with a working diagnosis of myocardial infarction with non-obstructive coronary arteries



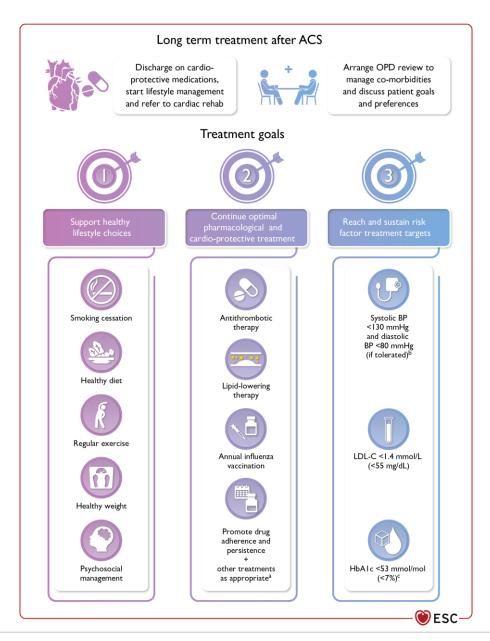


Evaluation of patients with a working diagnosis of MINOCA



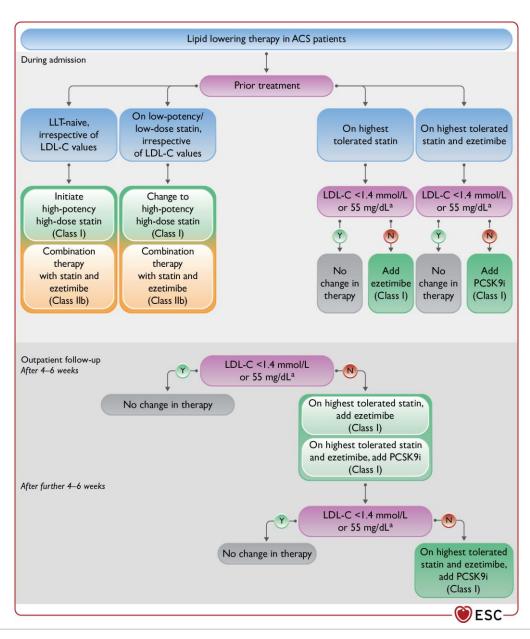


Long-term management after acute coronary syndrome





Lipid-lowering therapy in ACS patients





Recommendations for long-term management (1)



Recommendations	Class	Level
Cardiac rehabilitation		
It is recommended that all ACS patients participate in a medically supervised, structured, comprehensive, multidisciplinary exercise-based cardiac rehabilitation and prevention programme.	1	A
Lifestyle management		
 It is recommended that ACS patients adopt a healthy lifestyle, including: stopping all smoking of tobacco healthy diet (Mediterranean style) alcohol restriction regular aerobic physical activity and resistance exercise reduced sedentary time 	ı	В
In smokers, offering follow-up support, nicotine replacement therapy, varenicline or bupropion, individually or in combination, should be considered.	lla	Α

Recommendations for long-term management (2)



Recommendations	Class	Level
Pharmacological treatment		
Lipid-lowering therapy		
It is recommended that high-dose statin therapy is initiated or continued as early as	1	^
possible, regardless of initial LDL-C values.		A
It is recommended to aim to achieve an LDL-C level of <1.4 mmol/L (<55 mg/dL) and		Λ
to reduce LDL-C by ≥50% from baseline.		A
If the LDL-C goal is not achieved despite maximally tolerated statin therapy after 4-6	ı	В
weeks, the addition of ezetimibe is recommended.		D
If the LDL-C goal is not achieved despite maximally tolerated statin therapy and	I	Α
ezetimibe after 4–6 weeks, the addition of a PCSK9 inhibitor is recommended.		
It is recommended to intensify lipid-lowering therapy during the index ACS		C
hospitalization for patients who were on lipid-lowering therapy before admission.		

Recommendations for long-term management (3)



Recommendations	Class	Level
Pharmacological treatment		
Lipid-lowering therapy (continued)		
For patients with a recurrent atherothrombotic event (recurrence within 2 years of		
first ACS episode) while taking maximally tolerated statin-based therapy, an LDL-C	IIb	В
goal of <1.0 mmol/L (<40 mg/dL) may be considered.		
Combination therapy with high-dose statin plus ezetimibe may be considered during	IIb	В
index hospitalization.		D
Beta-blockers		
Beta-blockers are recommended in ACS patients with LVEF ≤40% regardless of HF		^
symptoms.		A
Routine beta-blockers for all ACS patients regardless of LVEF should be considered.	lla	В

Recommendations for long-term management (4)



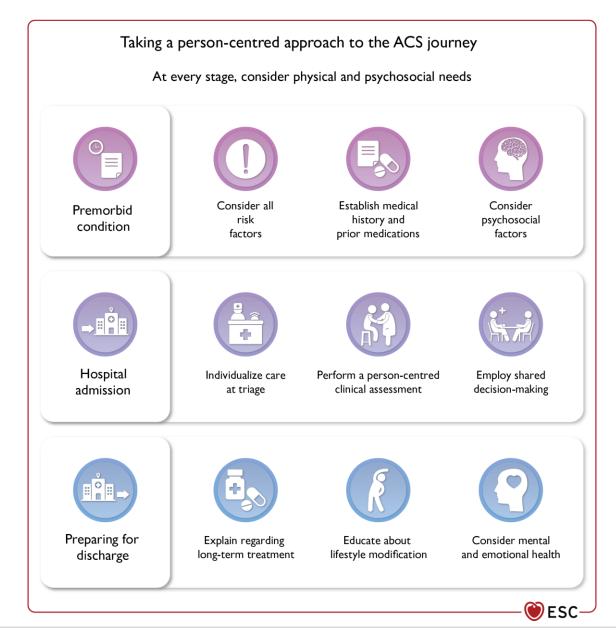
Recommendations	Class	Level
Pharmacological treatment		
RAAS system inhibitors		
Angiotensin-converting enzyme (ACE) inhibitors are recommended in ACS patients	1	Λ
with HF symptoms, LVEF ≤40%, diabetes, hypertension, and/or CKD.		A
Mineralocorticoid receptor antagonists are recommended in ACS patients with an		Λ
LVEF ≤40% and HF or diabetes.		A
Routine ACE inhibitors for all ACS patients regardless of LVEF should be considered.	lla	Α
Adherence to medication		
A polypill should be considered as an option to improve adherence and outcomes in	lla	D
secondary prevention after ACS.	lla	В

Recommendations for long-term management (5)



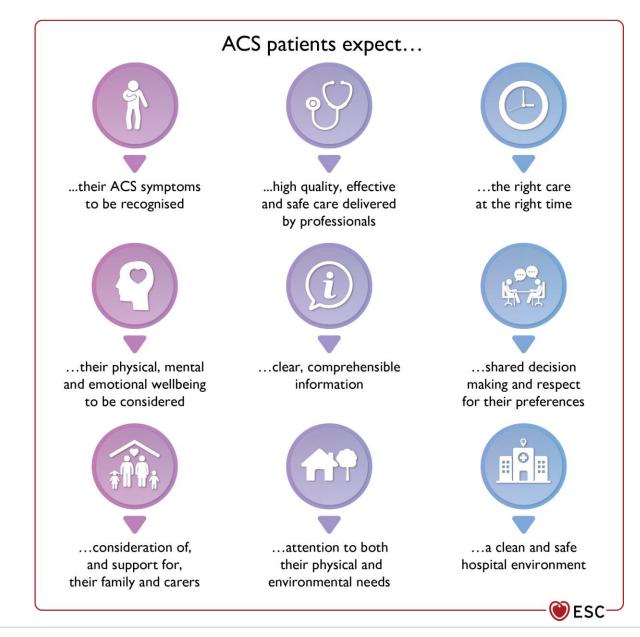
Recommendations	Class	Level
Imaging		
In patients with pre-discharge LVEF ≤40%, repeat evaluation of the LVEF 6–12 weeks after an ACS (and after complete revascularization and the institution of optimal medical therapy) is recommended to assess the potential need for sudden cardiac death primary prevention ICD implantation.	I	С
Cardiac magnetic resonance imaging should be considered as an adjunctive imaging modality in order to assess the potential need for primary prevention ICD implantation.	lla	С
Vaccination		
Influenza vaccination is recommended for all ACS patients.		Α
Anti-inflammatory drugs		
Low-dose colchicine (0.5 mg once daily) may be considered, particularly if other risk factors are insufficiently controlled or if recurrent cardiovascular disease events occur under optimal therapy.	· IIb	A

A person-centred approach to the ACS journey



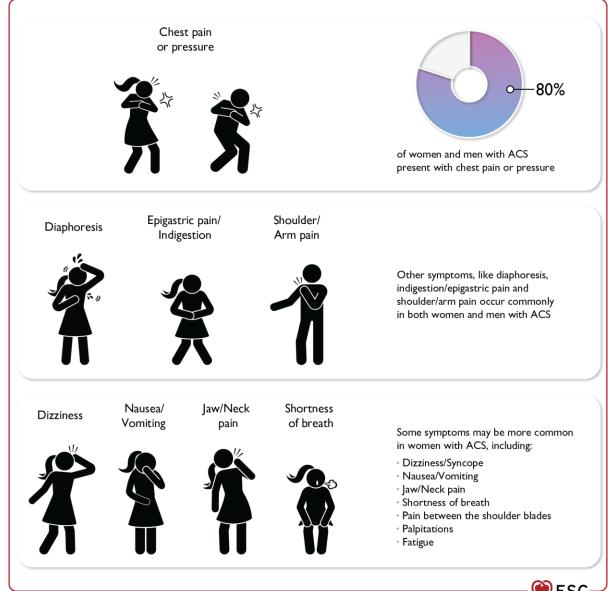


Acute coronary syndrome patient expectations





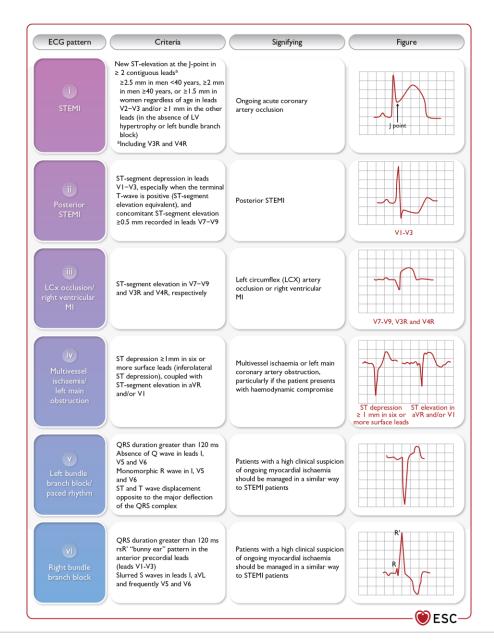
Symptoms at presentation in acute coronary syndrome in women and men





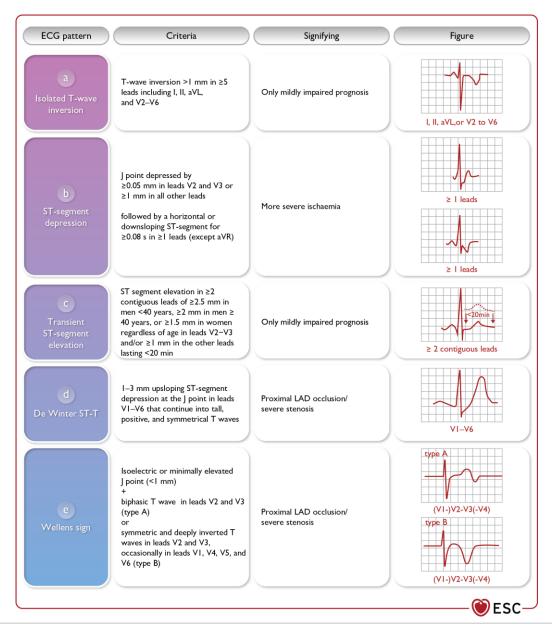


Electrocardiographic abnormalities in patients with STEMI and ECG findings that, if present, may prompt triage for immediate reperfusion therapy



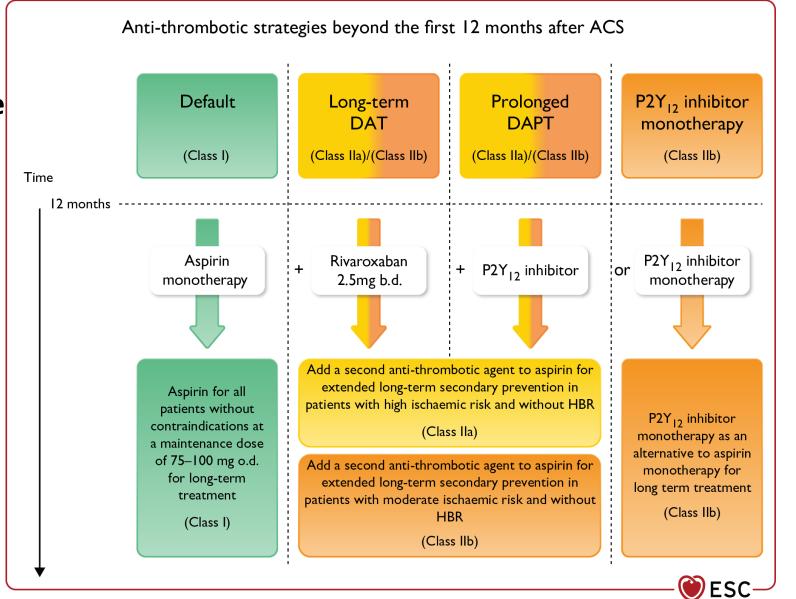


Electrocardiographic abnormalities in patients with non-ST-segment elevation acute coronary syndrome



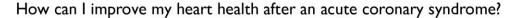


Antithrombotic strategies beyond the first 12 months after ACS





Information for patients on how to optimize their 'heart health' after an acute coronary syndrome





Don't smoke

If you smoke, discuss with your doctor or nurse how they can support you to stop

Exercise regularly

Try to exercise to the point

of breathlessness, aiming for

150 min a week.

spread over 5 days

Make sure to get your

flu vaccine each year



Eat healthily

Try to eat a balanced Mediterranean-type diet, with lots of fruit and vegetables



Avoid alcoh

Not drinking alcohol is best. If you do drink, discuss with your doctor or nurse how to cut down



See your doctor

Make sure to see your doctor regularly to get a check-up



Take your medications

Take the medications that your doctor has prescribed for you



Know your numbers

Know your BMI, LDL (bad) cholesterol and blood pressure. Discuss with your doctor/nurse how to reach your goals



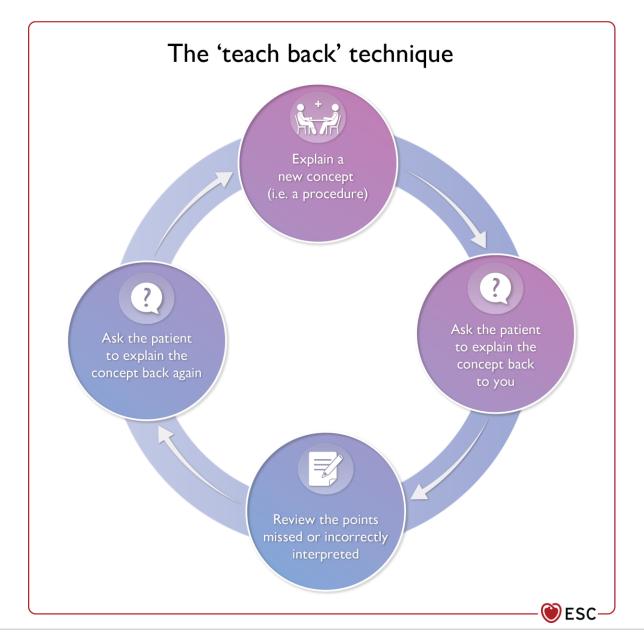
Manage your stress

If you are feeling stressed, discuss with your doctor how you can try to manage this





Informed consent process using the 'teach back' technique





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