

Síndromes Coronárias Agudas 2023 ESC Guidelines

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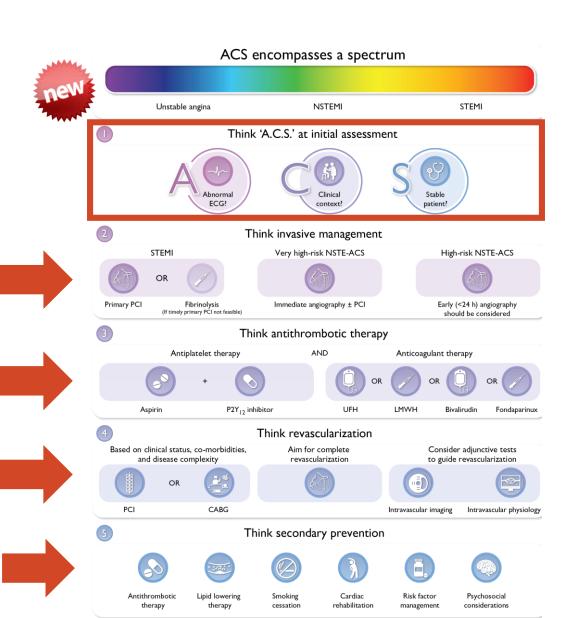




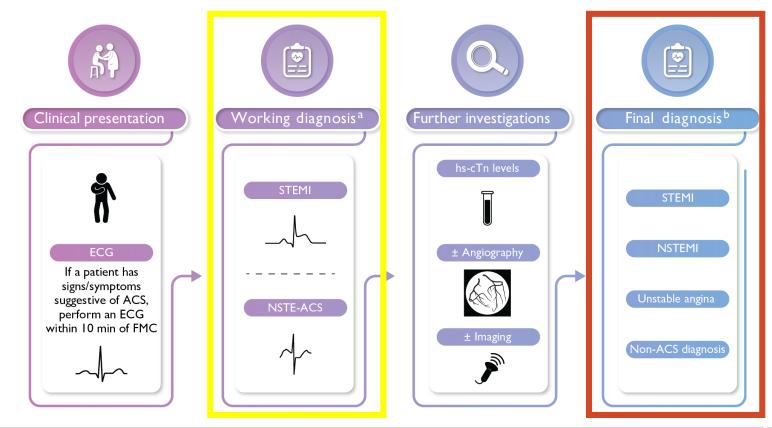
2023 ESC Guidelines for the management of acute coronary syndromes

Developed by the task force on the management of acute coronary syndromes of the European Society of Cardiology (ESC)

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Diagnóstico



Recommendations

It is recommended to base the diagnosis and initial short-term risk stratification of ACS on a combination of clinical history, symptoms, vital signs, other physical findings, ECG, and hs-cTn.

Class	Leve
ı	В

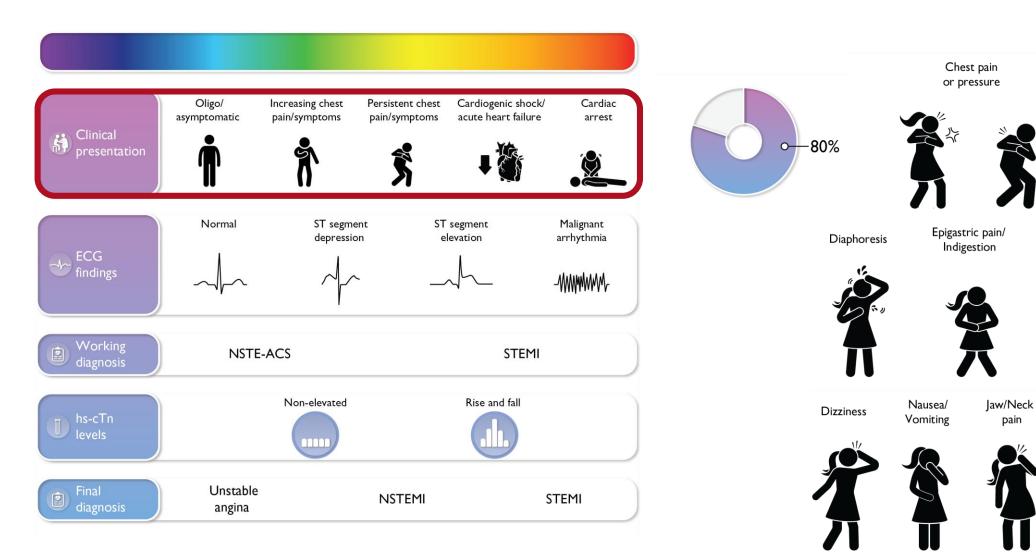
Apresentação Clínica

Shoulder/

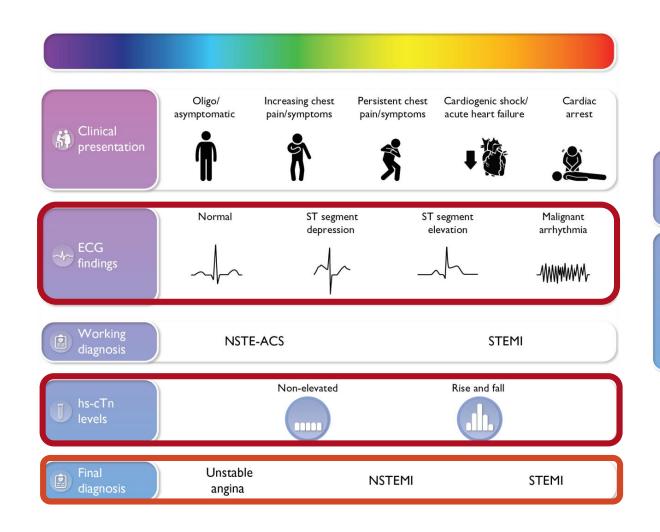
Arm pain

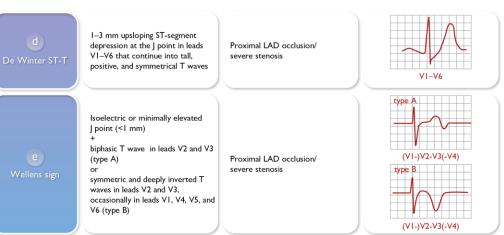
Shortness

of breath

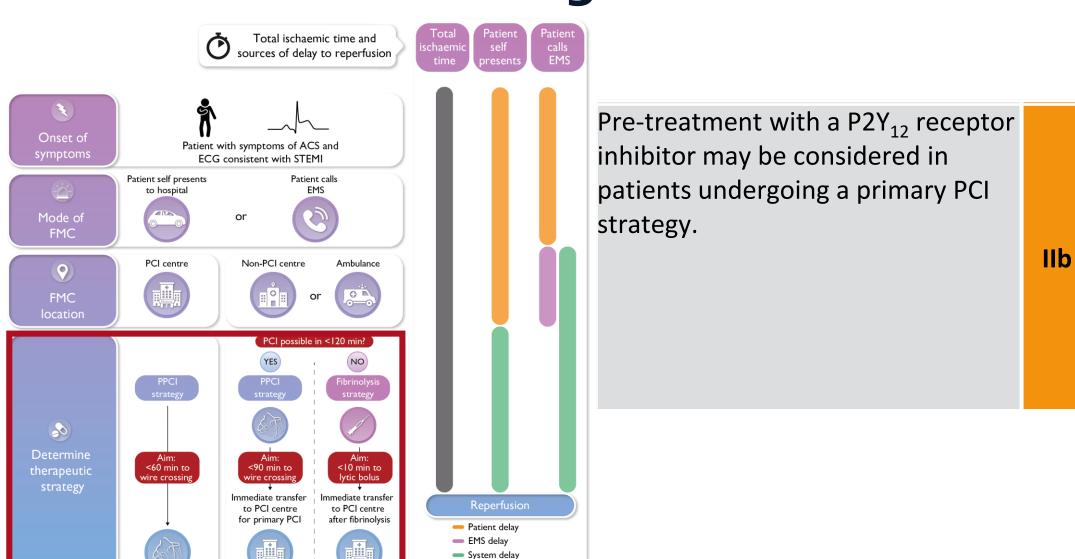


Apresentação Clínica



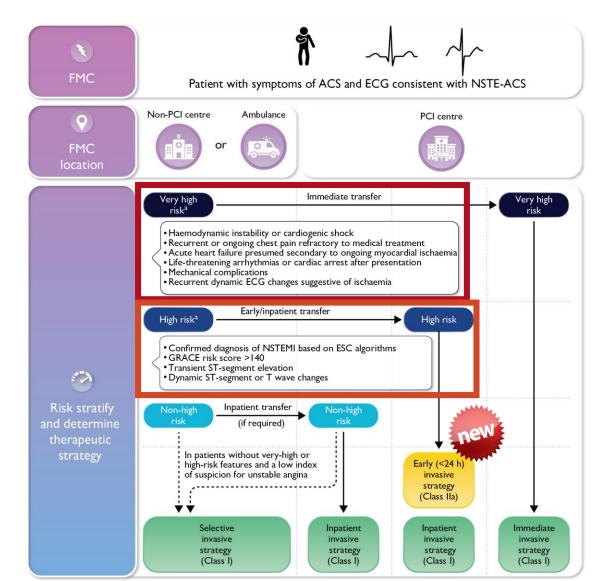


Abordagem Inicial

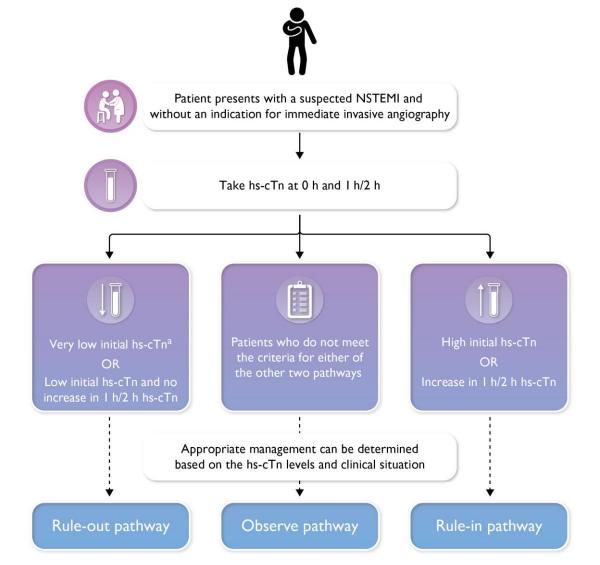


Total ischaemic time

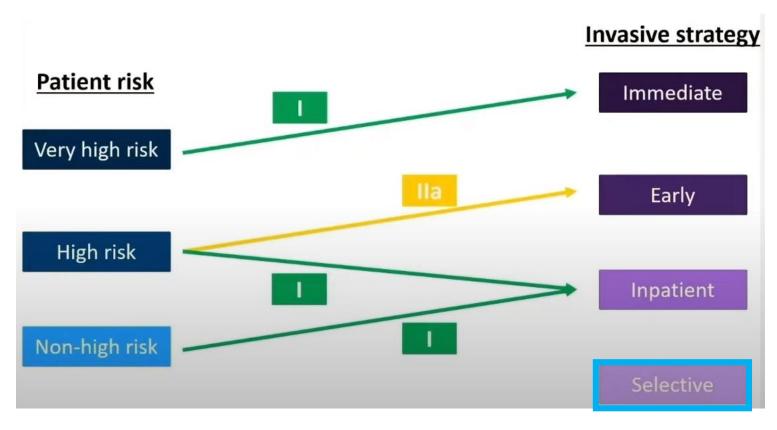
Estratégia de Reperfusão



Biomarcadores



Estratégia de Reperfusão

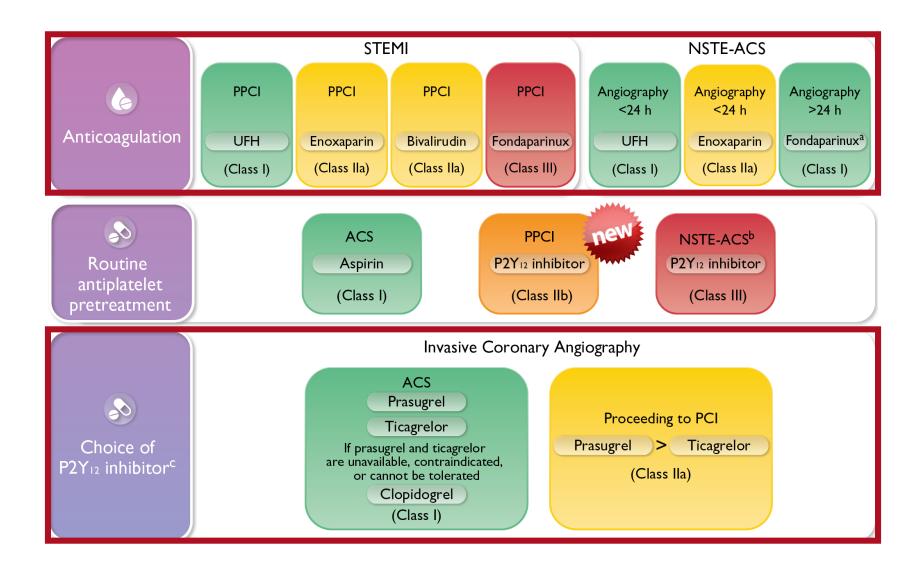


In patients with suspected ACS, nonelevated (or uncertain) hs-cTn, no ECG changes and no recurrence of pain, incorporating CCTA or a noninvasive stress imaging test as part of the initial workup should be considered.

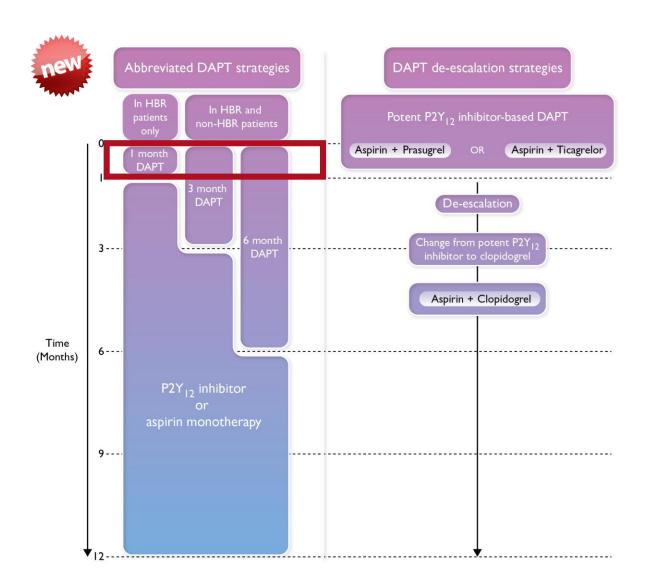
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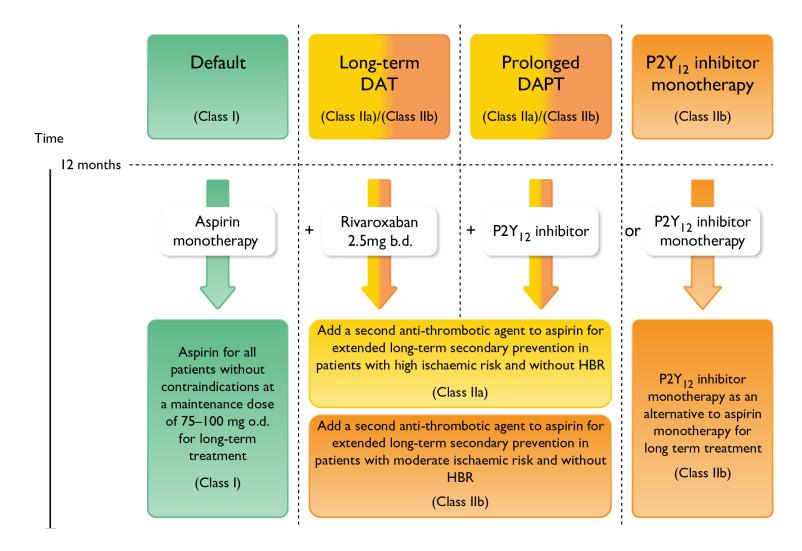
Terapêutica Antitrombótica



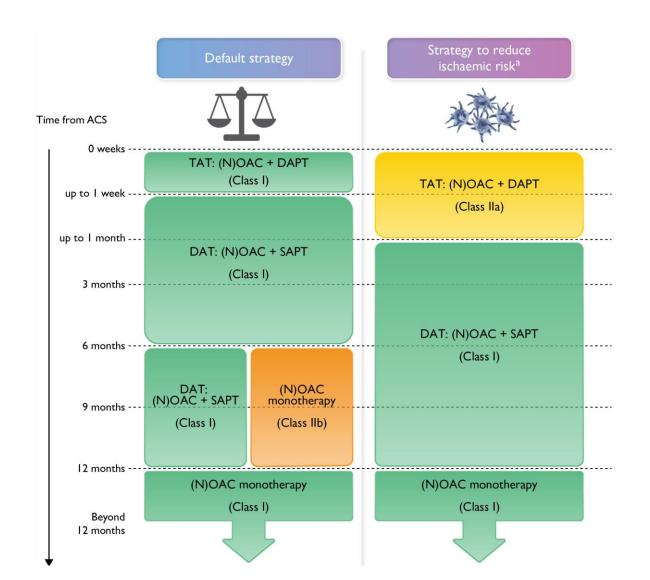
Terapêutica Antitrombótica



Após os 12 meses



Indicação OAC



Pós-PCR

A PPCI strategy is recommended in patients with resuscitated cardiac arrest and an ECG with persistent ST-segment elevation (or equivalents).	ı	В
Routine immediate angiography after resuscitated cardiac arrest is not recommended		
in haemodynamically stable patients without persistent ST-segment elevation (or	Ш	Α
equivalents).		

Choque Cardiogénico

Immediate coronary angiography and PCI of the IRA (if indicated) is recommended in patients with CS complicating ACS.	ı	В
Emergency CABG is recommended for ACS-related CS if PCI of the IRA is not feasible/unsuccessful.	ı	В

In patients with ACS and severe/refractory CS, short-term mechanical circulatory support may be considered.	IIb	С
The routine use of an IABP in ACS patients with CS and without mechanical	Ш	В
complications is not recommended.	•••	

Doença Coronária Multivaso

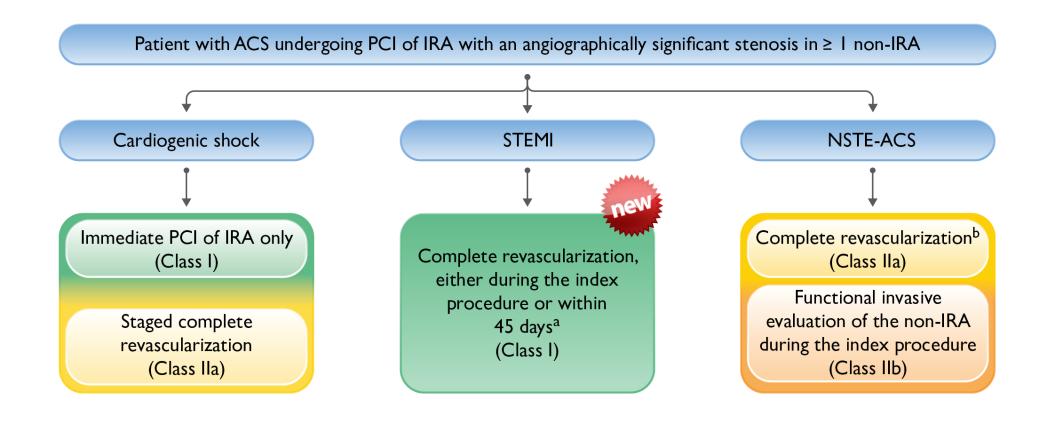
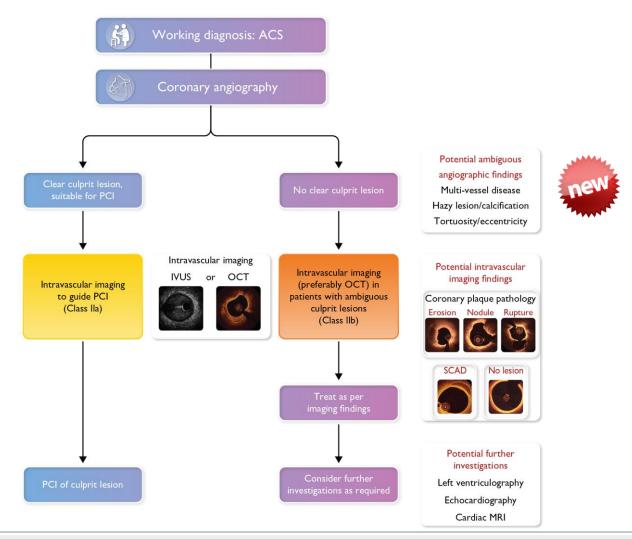


Imagem Intravascular



MINOCA



Assessments to consider^a



Clinical history



Physical exam



ECG assessment



Detailed angiographic assessment ± LV angiography (incl. LVeDP)

Clinical history



Intravascular imaging (IVUS/OCT)



Assess for coronary microvascular dysfunction ± vasoreactivity (ACh testing)



Assessments to consider^a



Physical exam



ECG assessment



Echocardiography



CMRI



CTPA/CT brain^c

Assessments to consider^a





Follow-up clinic evaluation



Repeat echocardiography



Repeat CMRI



Cardiac rehabilitation

Coronary causes

- Coronary embolism
- Coronary microvascular dysfunction
- Coronary spasm
- Coronary thrombosis
- · Myocardial bridging
- Plaque rupture/erosion
- Spontaneous coronary artery dissection

Non-coronary, cardiac causes

- Cardiac trauma
- Cardiomyopathy
- Cardiotoxins
- Myocarditis
- Strenuous exercise
- Takotsubo cardiomyopathy
- Transplant rejection

Non-cardiac causes

- Acute respiratory distress syndrome
- Allergic/hypersensitivity reactions
- End-stage renal failure
- Inflammation
- · Pulmonary embolism
- Sepsis
- Stroke

Insuficiência Cardíaca

Trombo VE

Fibrilhação Auricular

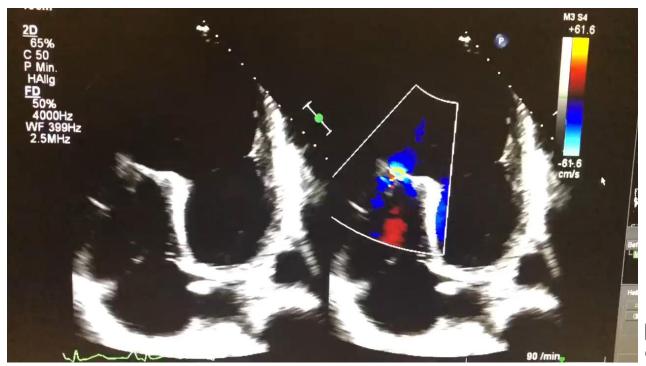
Arritmias Ventriculares

Insuficiência Cardíaca

Trombo VE

Fibrilhação Auricular

Arritmias Ventriculares



@johannesneuman

IABP should be considered in patients with haemodynamic instability/cardiogenic shock due to ACS-related mechanical complications.

Bradiarritmias

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Insuficiência Cardíaca

Trombo VE

Fibrilhação Auricular

Arritmias Ventriculares



@Bertolin_Car

Bradiarritmias

Oral anticoagulant therapy (VKA or NOAC) should be considered for 3–6 months in patients with confirmed LV thrombus.

Insuficiência Cardíaca

Trombo VE

Fibrilhação Auricular

Arritmias Ventriculares



In patients with documented *de novo* AF during the acute phase of ACS, long-term oral anticoagulation should be considered depending on the CHA₂DS₂-VASc score, after taking the HAS-BLED score and the need for concomitant antiplatelet therapy into consideration. NOACs are the preferred drugs.

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Insuficiência Cardíaca

Trombo VE

Fibrilhação Auricular

Arritmias Ventriculares

Intravenous beta-blocker and/or amiodarone treatment is recommended for patients with polymorphic VT and/or VF unless contraindicated.	1	В
Prompt and complete revascularization is recommended to treat myocardial ischaemia that may be present in patients with recurrent VT and/or VF.	ı	С
Transvenous catheter pacing termination and/or overdrive pacing should be considered if VT cannot be controlled by repeated electrical cardioversion.	lla	С
Radiofrequency catheter ablation at a specialized ablation centre followed by ICD implantation should be considered in patients with recurrent VT, VF, or electrical storm despite complete revascularization and optimal medical therapy.	lla	С
Treatment of recurrent VT with haemodynamic relevance (despite repeated electrical cardioversion) with <u>lidocaine</u> may be considered if beta-blockers, amiodarone, and overdrive stimulation are not effective/applicable.	IIb	С
In patients with recurrent life-threatening ventricular arrhythmias, sedation or general anaesthesia to reduce sympathetic drive may be considered.	IIb	С

Insuficiência Cardíaca

Trombo VE

Fibrilhação Auricular

Arritmias Ventriculares

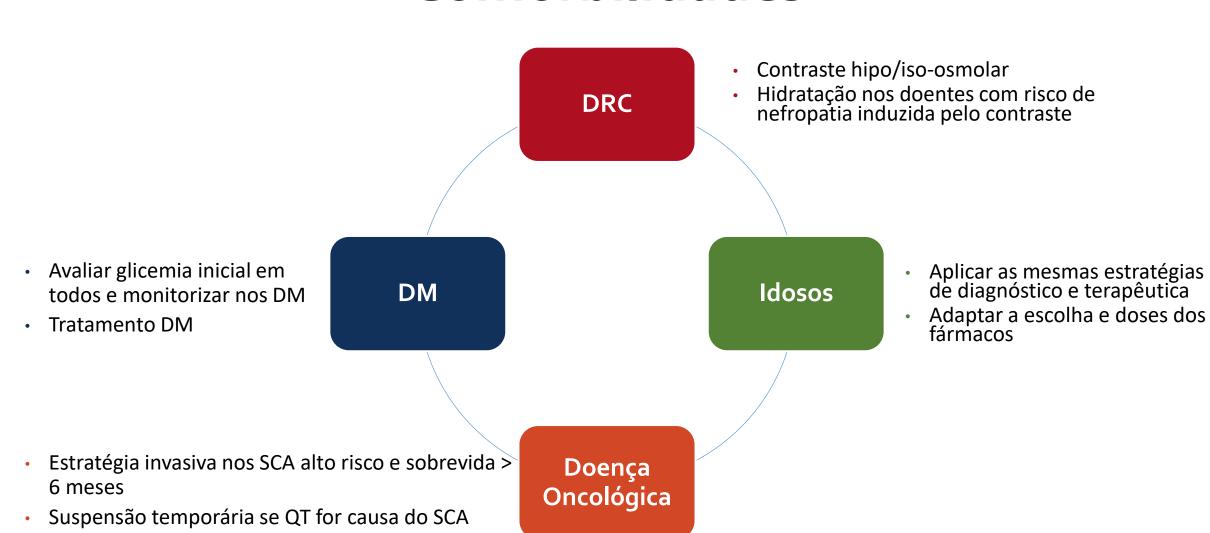
In cases of sinus bradycardia with haemodynamic intolerance or high-degree AV block without stable escape rhythm:

- i.v. positive chronotropic medication (adrenaline, vasopressin, and/or atropine) is recommended.
 - temporary pacing is recommended in cases of failure to respond to atropine.
- urgent angiography with a view to revascularization is recommended if the patient has not received previous reperfusion therapy.

Implantation of a permanent pacemaker is recommended when high-degree AV block does not resolve within a waiting period of at least 5 days after MI.

In selected patients with high-degree AV block in the context of an anterior wall MI and acute HF, early device implantation (CRT-D/CRT-P) may be considered.

Comorbilidades

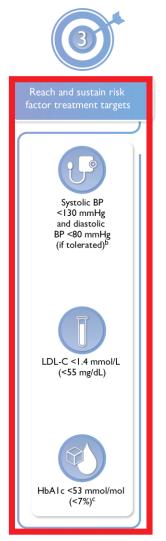


Avaliar risco hemorrágico

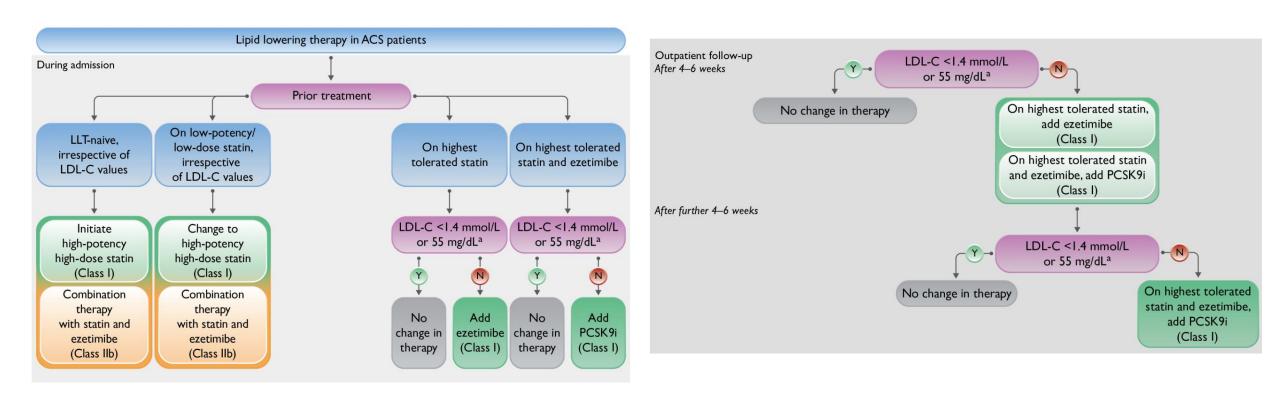
Tratamento a Longo Prazo







Hipolipemiantes



Em doentes com DCV aterosclerótica estabelecida e com **2 eventos vasculares em 2 anos** sob dose máxima tolerada de estatina, um LDL alvo 40 mg/dD pode ser considerado.

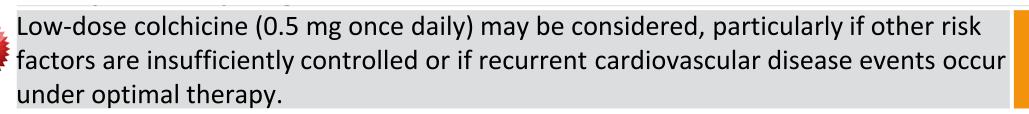
BB

Beta-blockers are recommended in ACS patients with <u>LVEF ≤40%</u> regardless of HF symptoms.	1	Α
Routine beta-blockers for all ACS patients regardless of LVEF should be considered.	lla	В

Inibidores RAA

Angiotensin-converting enzyme (ACE) inhibitors are recommended in ACS patients		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

Colchicina



IIb

Α

Abordagem Individualizada

At every stage, consider physical and psychosocial needs



Premorbid condition



Consider all risk factors



Establish medical history and prior medications



Consider psychosocial factors



Hospital admission



Individualize care at triage



Perform a person-centred clinical assessment



Employ shared decision-making



Preparing for discharge



Explain regarding long-term treatment



Educate about lifestyle modification



Consider mental and emotional health

Obrigada!