ACTUALITES SUR CARDIOPATHIES ISCHEMIQUES/FERMETURE AG





G. Montalescot





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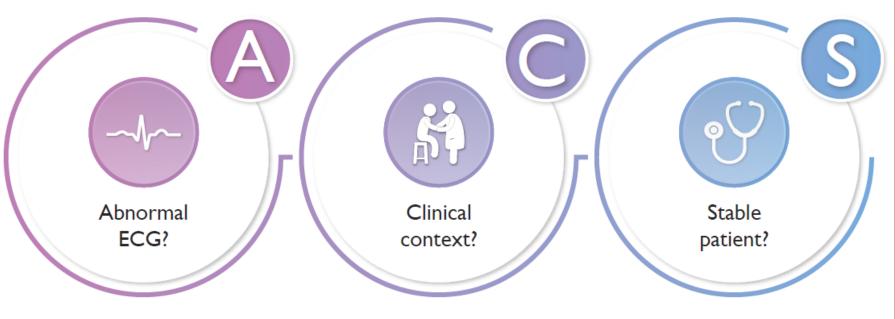
Paris, France

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Perform an ECG to assess for evidence of ischaemia or other abnormalities Consider the clinical context and available investigations

Perform an exam to assess if the patient is clinically and vitally stable

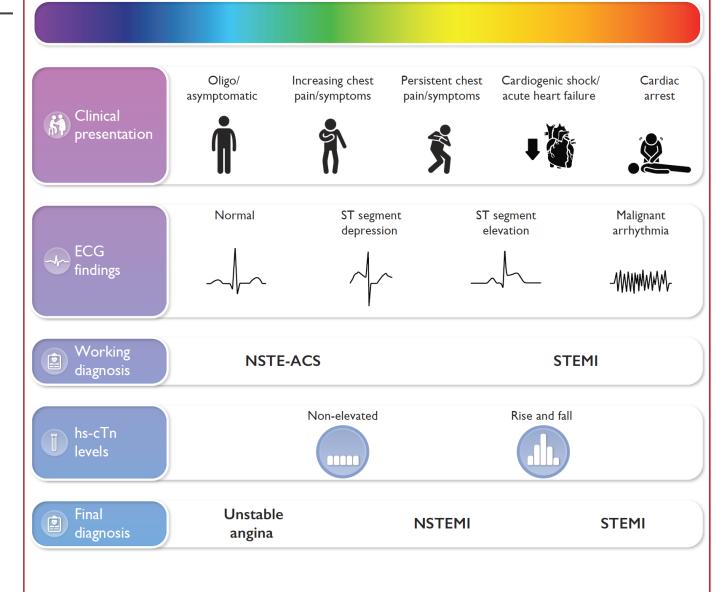


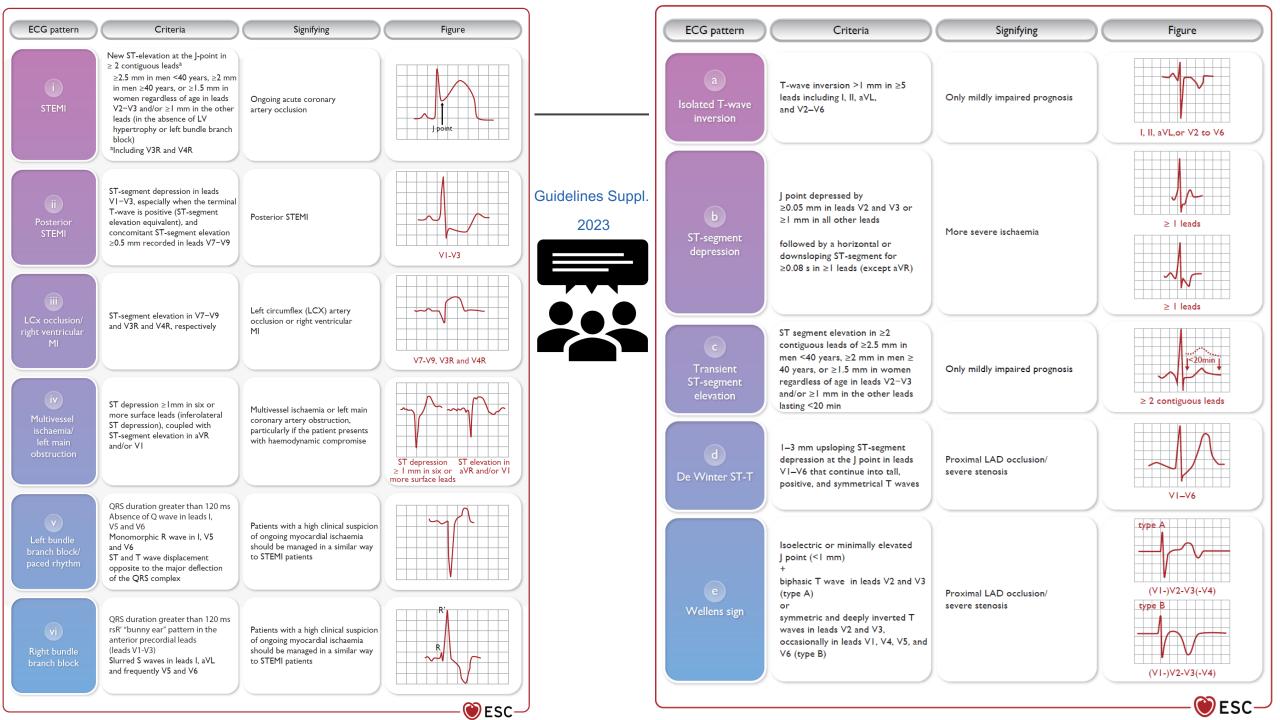


The ACS spectrum



ESC-

















Clinical presentation

Working diagnosisa

Further investigations

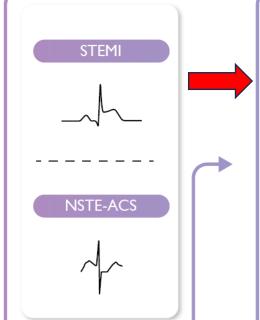
Final diagnosis^b

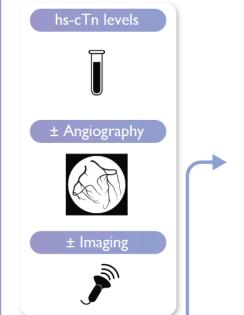


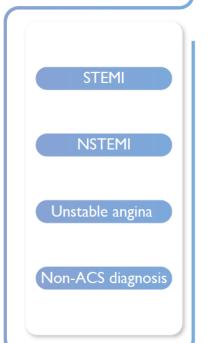
ECG

If a patient has signs/symptoms suggestive of ACS, perform an ECG within 10 min of FMC

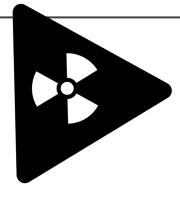












ACS presentation Vital signs Physical examination Clinical history ECG hs-cTn^a levels Initial A.C.S. NSTE-ACS **NSTE-ACS STEMI** with very high-risk features^b without very high-risk featuresb Working diagnosis Immediate angiography ± Immediate angiography Consider angiography PPCI or fibrinolysis if timely within 24 h for NSTE-ACS O ± PCI PPCI not feasible with high risk features Early invasive angiography according to patient risk ATT **PPCI Fibrinolysis** PCI PCI hs-cTna Non-immediate Intravascular Non-invasive Echo angiography Q imaging imaging levels Further 110 Long-term Lifestyle PCI **CABG** Ö medical therapy measures Further

Figure 4 An overview of the initial triage, management and investigation of patients who present with signs and symptoms potentially consistent with acute coronary syndrome. ACS, acute coronary syndrome; ATT, antithrombotic therapy; CABG, coronary artery bypass grafting; ECG, electrocardiogram; hs-cTn, high-sensitivity cardiac troponin; NSTE-ACS, non-ST-elevation acute coronary syndrome; PPCI, primary percutaneous coronary intervention; STEMI, ST-elevation myocardial infarction. The 'A.C.S.' assessment is detailed in Figure 5. ^aResults of hs-cTn measurements are not required for the initial stratification of ACS and the initial emergency management (i.e. for patients with a working diagnosis of STEMI or very high-risk NSTE-ACS) should not be delayed based on this. ^bFor patients with NSTE-ACS with very high-risk features, immediate angiography is recommended. For patients with NSTE-ACS with highrisk features, early invasive angiography (i.e. < 24 h) should be considered and inpatient invasive angiography is recommended. See Recommendation Table 4 for details.



ATT

ECG

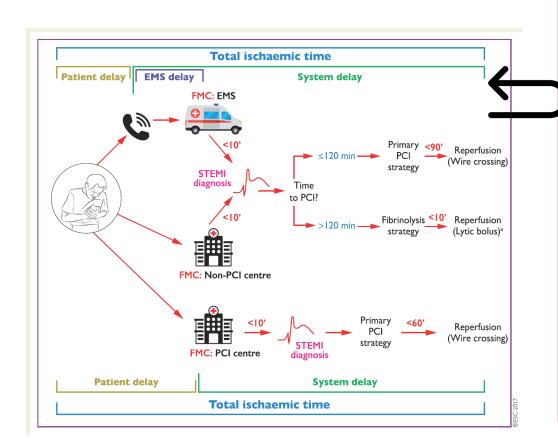
monitoring

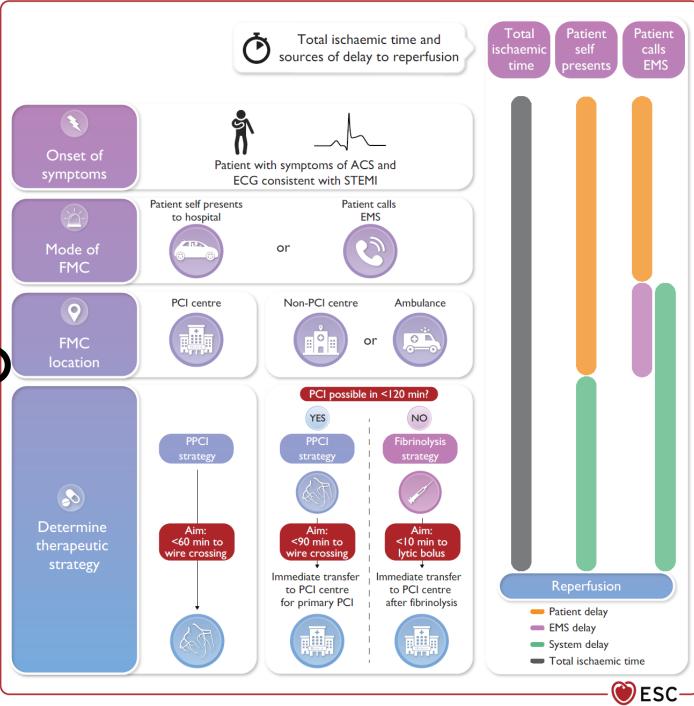
Smoking

cessation

STEMI delays

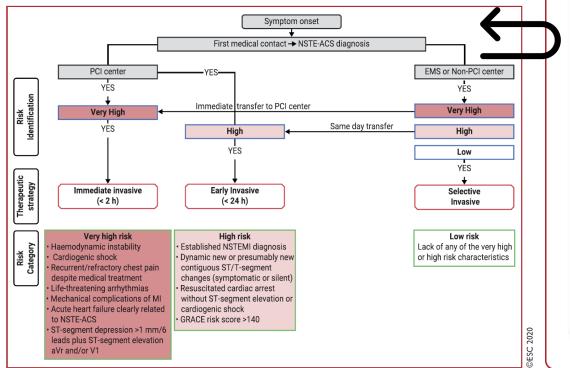
Guidelines 2023

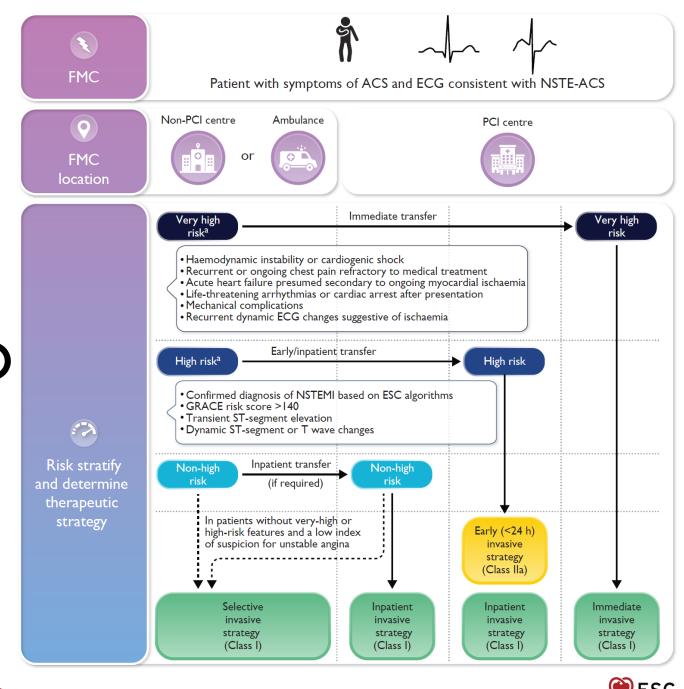




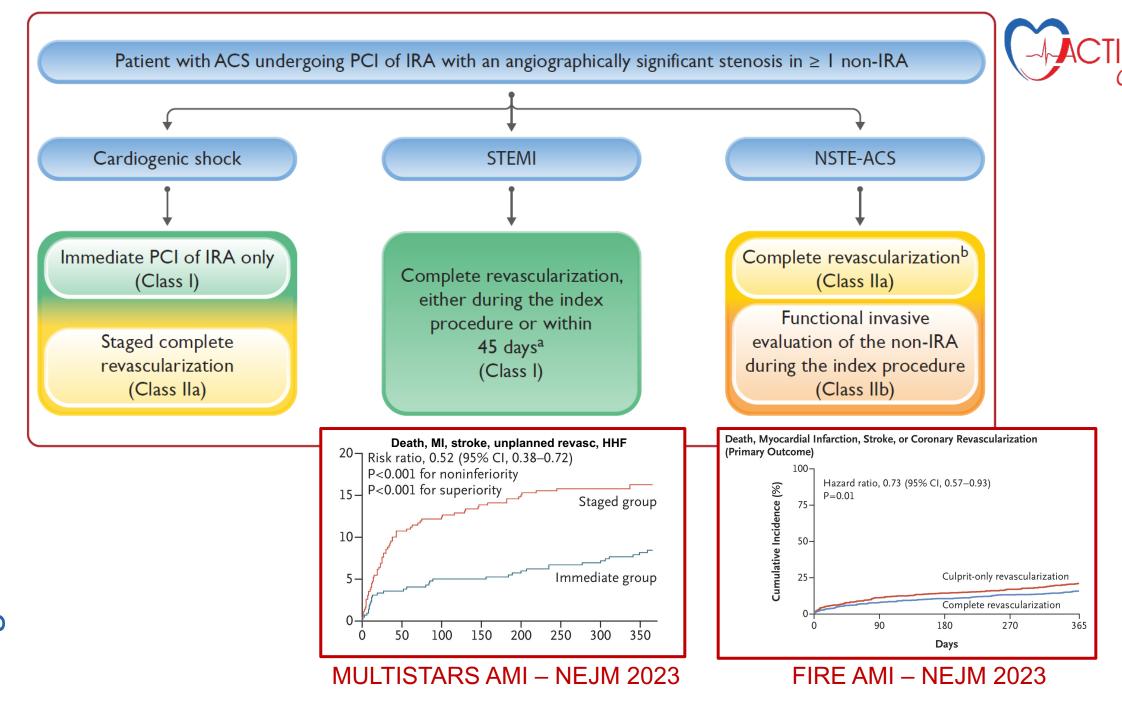
NSTE-ACS strategies

Guidelines 2023









Standard of care



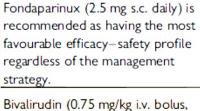


Before PCI

Aspirin Routine P2Y₁₂ inhibitor



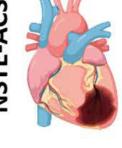
Prasugrel Ticagrelor Clopidogrel Prasugrel over ticagrelor



followed by 1.75 mg/kg/h for up to 4 h after the procedure) is recommended as an alternative to UFH plus GPIIb/IIIa inhibitors during PCI.

UFH 70-100 IU/kg i.v. (50-70 IU/kg if concomitant with GPIIb/IIIa inhibitors) is recommended in patients undergoing PCI who did not receive any anticoagulant.

Enoxaparin (1 mg/kg s.c. twice daily) or UFH are recommended when fondaparinux is not available.



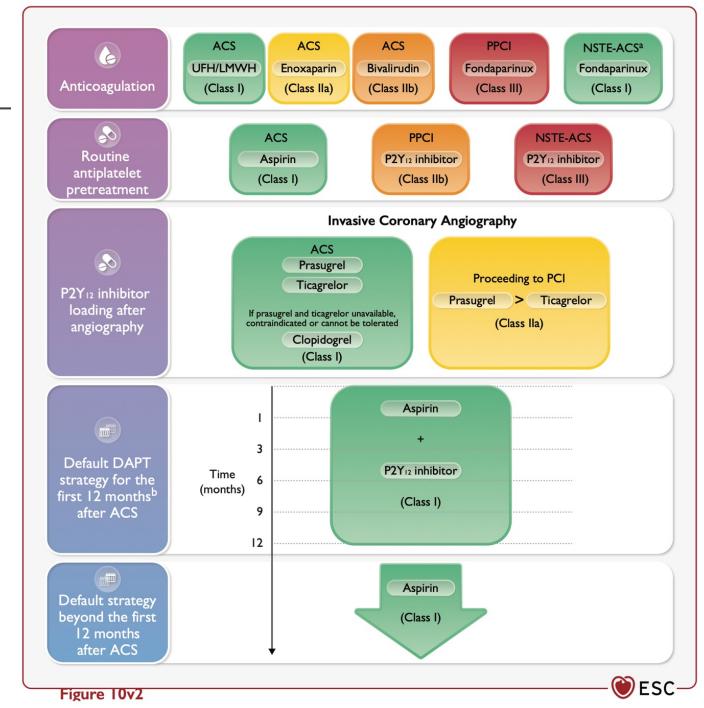
Aspirin

Potent P2Y₁₂ inhibitor



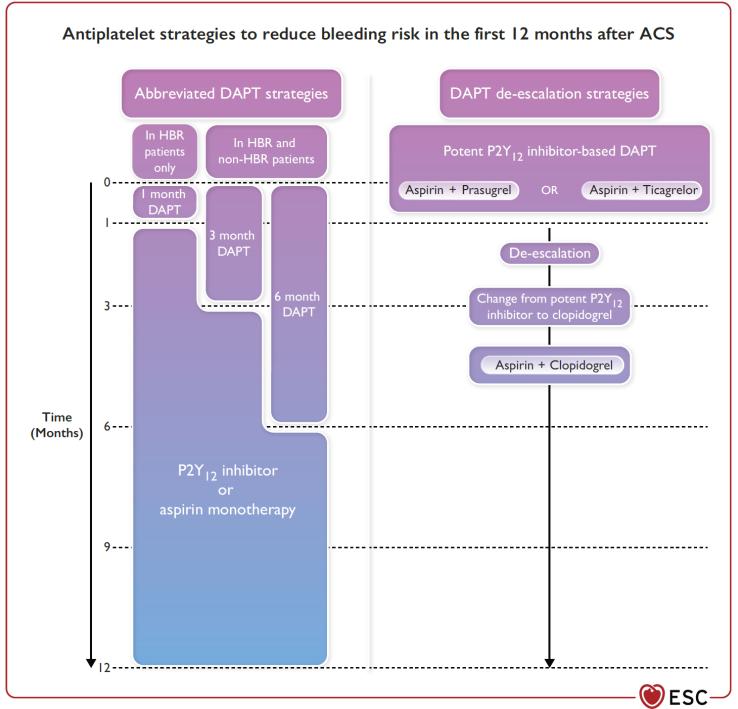
UFH 70–100 IU/kg i.v. bolus when no GP IIb/IIIa inhibitor is planned 50-70 IU/kg i.v. bolus with GP IIb/IIIa inhibitors 0.5 mg/kg i.v. bolus Enoxaparin 0.75 mg/kg i.v. bolus followed by i.v. infusion of 1.75 Bivalirudin mg/kg/hour for up to 4 hours after the procedure

Adapted from Angiolillo DJ et al. Eurointervention 2022









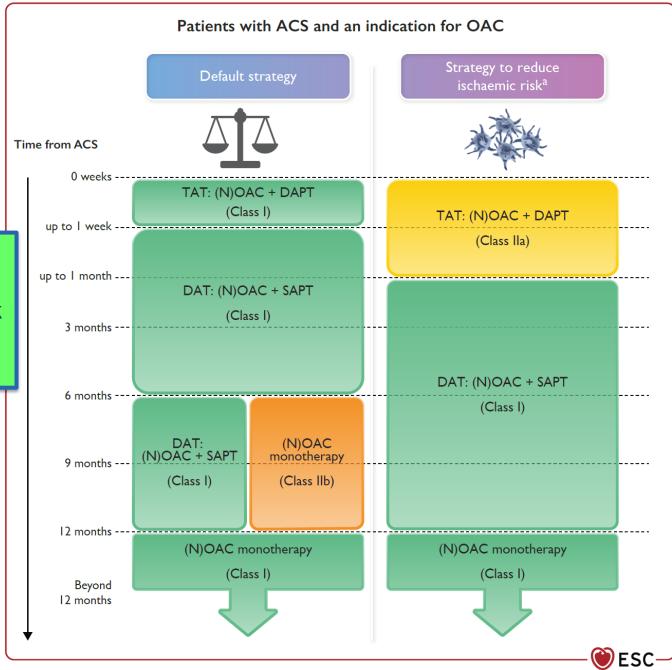


e.g. AFib+ACS/PCI

AFib → **ARISTOTLE** → apixaban 5mg bid

AFib+ACS/PCI → AUGUSTUS → drop ASA @1wk

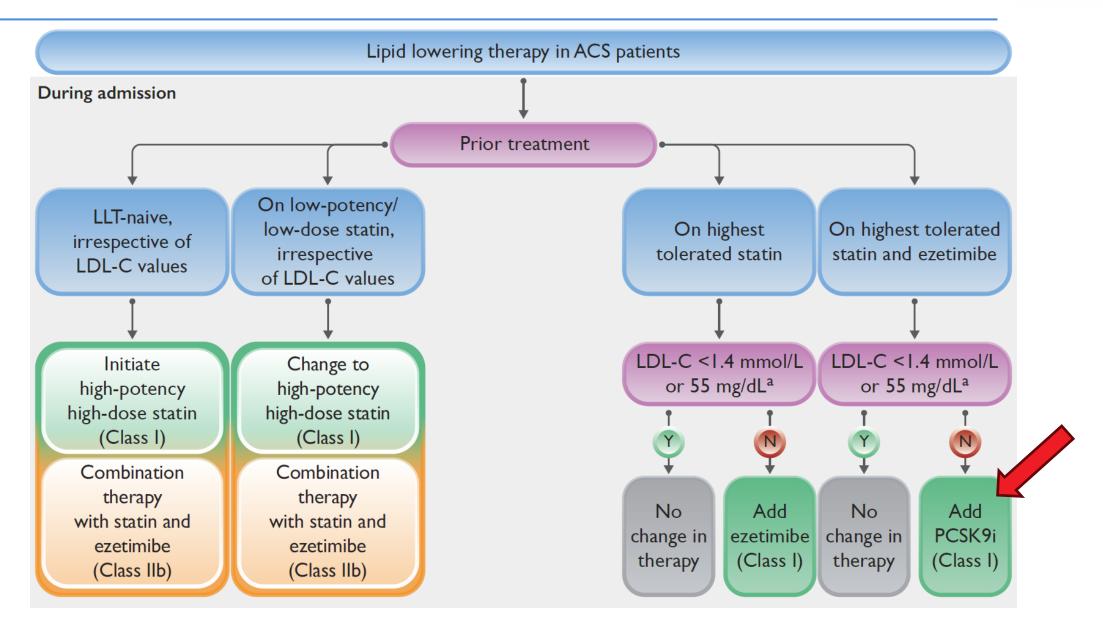
AFib+ACS/PCI → AFIRE → drop clopi @1year



Guidelines 2023, Lipides







contraindications such as excessive risk of bleeding.

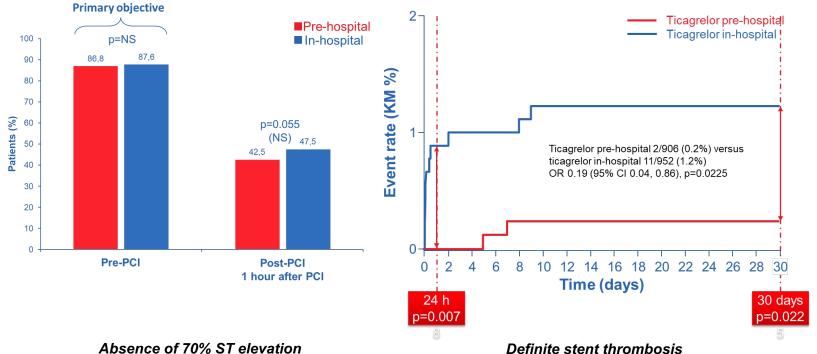


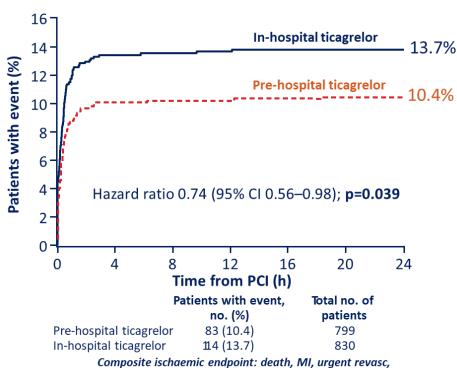
If patients presenting with ACS stop DAPT to undergo coronary artery bypass grafting, it is recommended they resume DAPT after surgery for at least 12 months.						
Intravascular imaging should be considered to guide PCI.						
Invasive epicardial functional assessment of non-culprit segments of the IRA is not recommended during the index procedure.						
Following an acute anterior MI, a contrast echocardiogram may be considered for the detection of LV thrombus if the apex is not well visualized on echocardiography.						
It is recommended to base the choice of long-term glucose-lowering treatment on the presence of comorbidities, including heart failure, chronic kidney disease, and obesity.						
Low-dose colchicine (0.5 mg once a day) may be considered, particularly if other risk factors are insufficiently controlled or if recurrent cardiovascular disease events occur under optimal therapy.						
Assessment of mental well-being using a validated tool and onward psychological referral when appropriate should be considered.						
A potent $P2Y_{12}$ inhibitor (prasugrel or ticagrelor), or clopidogrel if these are not available or are contraindicated, is recommended before (or at latest at the time of) PCI, and maintained over 12 months, unless there are	1	Α	Pre-treatment with a P2Y ₁₂ receptor inhibitor may be considered in patients undergoing a primary PCI strategy.	IIb	В	

Time effect of P2Y₁₂ inhibition in **STEMI**









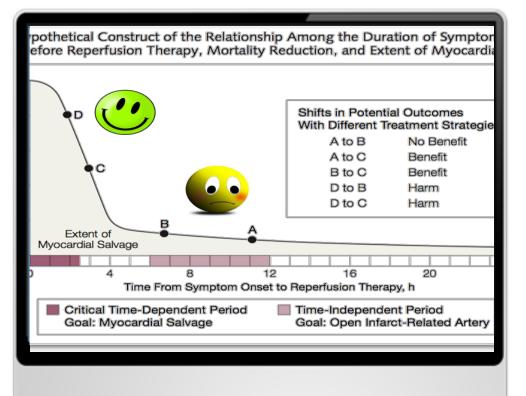
Composite ischaemic endpoint: death, MI, urgent revasc, definite stent thrombosis or BO GP IIb/IIIa inhibitor

Early P2Y12 i. in STEMI





Study	« EARLY » group (n/N)	« DELAYED» group (n/N)	Odds Ratio	OR; 95%-CI*
ATLANTIC	41/906	42/952	•	1.03 (0.66-1.59)
CHAMPION STEMI	41/1407	51/1477	#	0.84 (0.55-1.27)
CIPAMI	5/164	12/171		0-42 (0-14-1-21)
ERASE MI	5/34	7/36		0.71 (0.20-2.51)
LOAD AND GO	3/112	0/56	-	3.61 (0.18-71.15
PCI CLARITY	70/933	112/930		0.59 (0.43-0.81)
TRITON STEMI	54/1236	72/1234		0.74 (0.51-1.06)
MACE Fixed effect model	219/4792	296/4856	•	0.73 (0.61-0.88)
Random effects model			•	0.74 (0.61-0.90)
*Heterogeneity: : I-squared=9 Test for overall effect (fixed ef Test for overall effect (random	fect): p=0·0008	P=0·36 0,05	0,25 1,25 6,25 31,2	5



Favours Early P2Y12 inhibition

Favours Delayed P2Y12 inhibition

ClinicalTrials.gov Identifier: NCT04825743

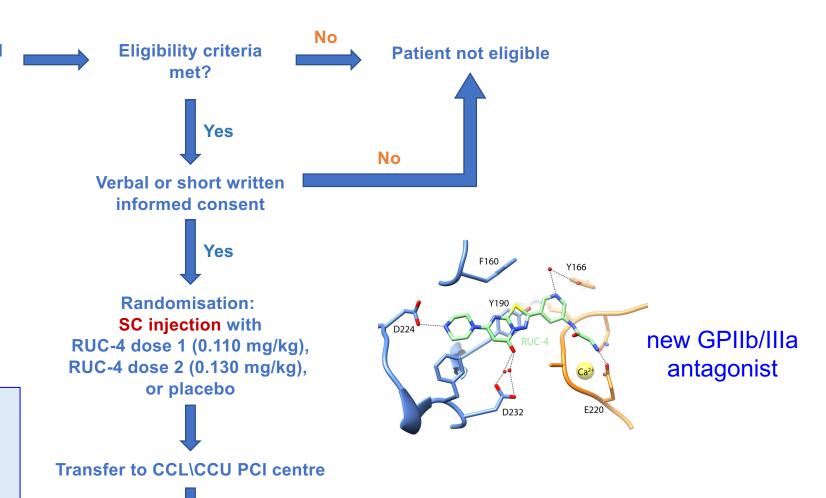
Sponsor: Celecor Therapeutics.

CELEBRATE trial (STEMI)

Hospitalisation







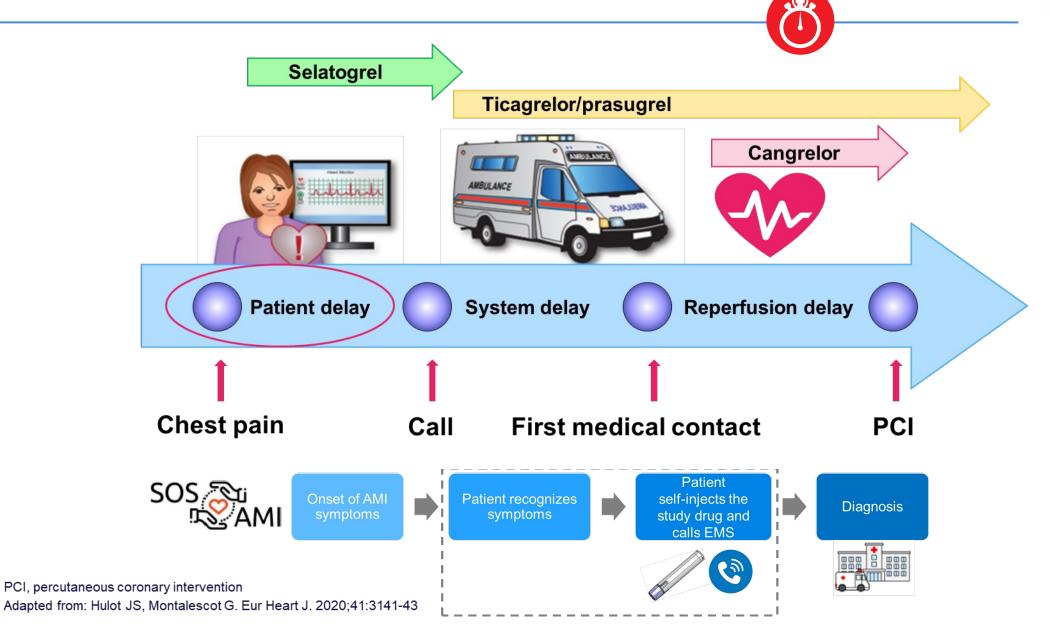
- 1) all-cause death through 30 days
- 2) hemorrhagic or ischemic stroke through 30 days
- 3) recurrent MI (type I to type IV) through 30 days
- 4) acute stent thrombosis at 24 hours post-PCI
- 5) new onset heart failure or rehospitalization for HF through 30 days
- 6) MI with hs-cTnT levels ≥10x ULN at 24 hours post-PCI
- 7) none of the above

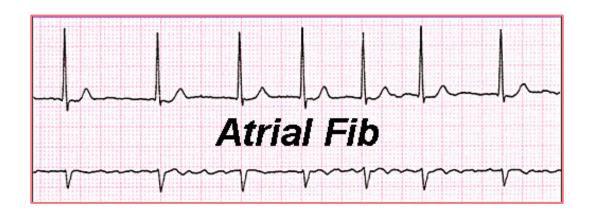
Primary endpoint:

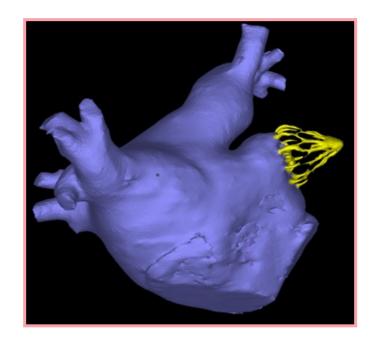
Clinical outcome at 30 days as assessed on a ranked 7-point scale

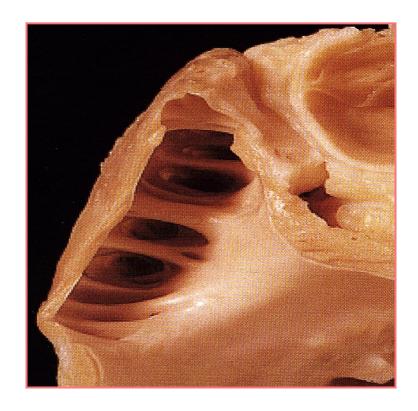
Next frontier in AMI







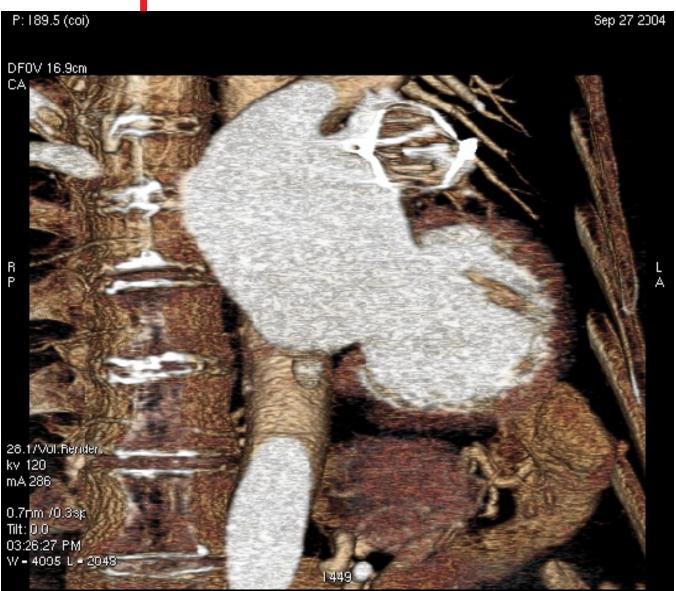


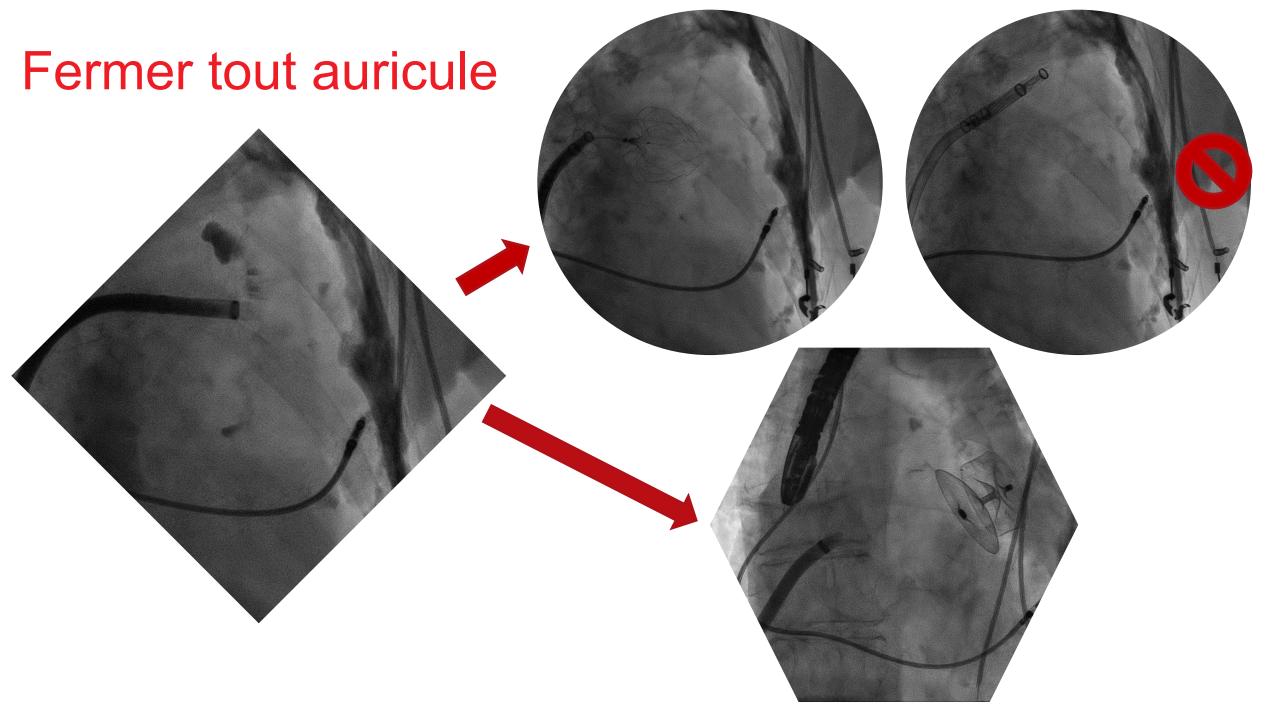




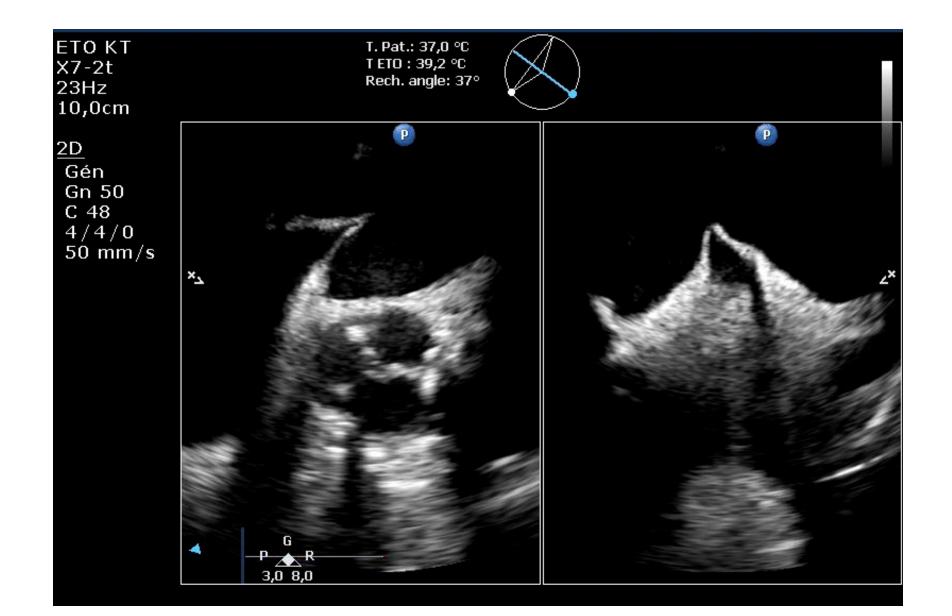
PLAATO®

Expérience initiale

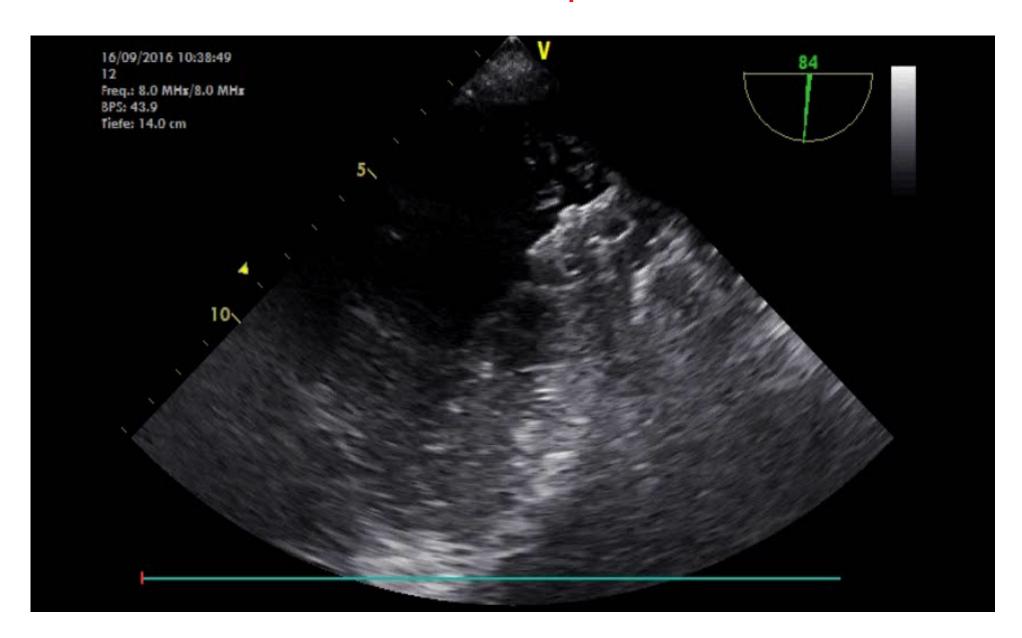




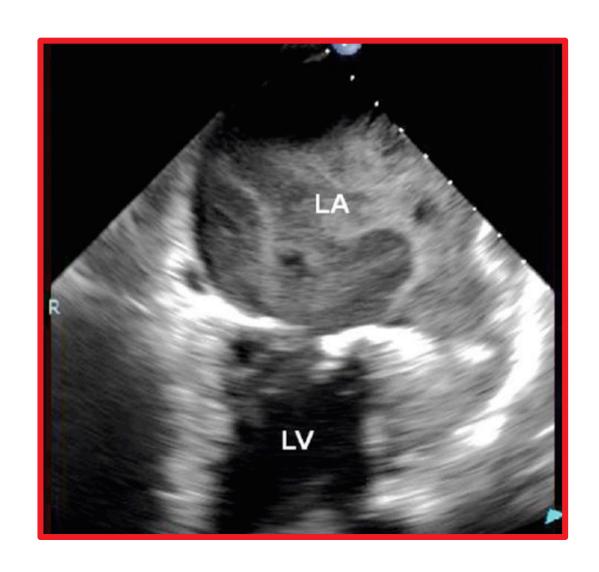
Eviter les complications

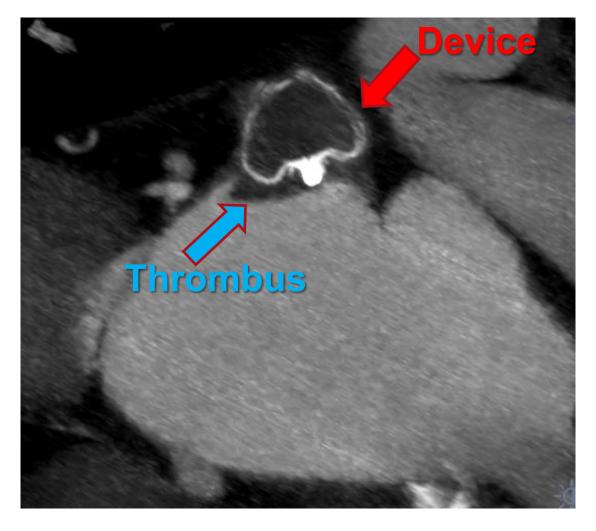


Eviter les complications

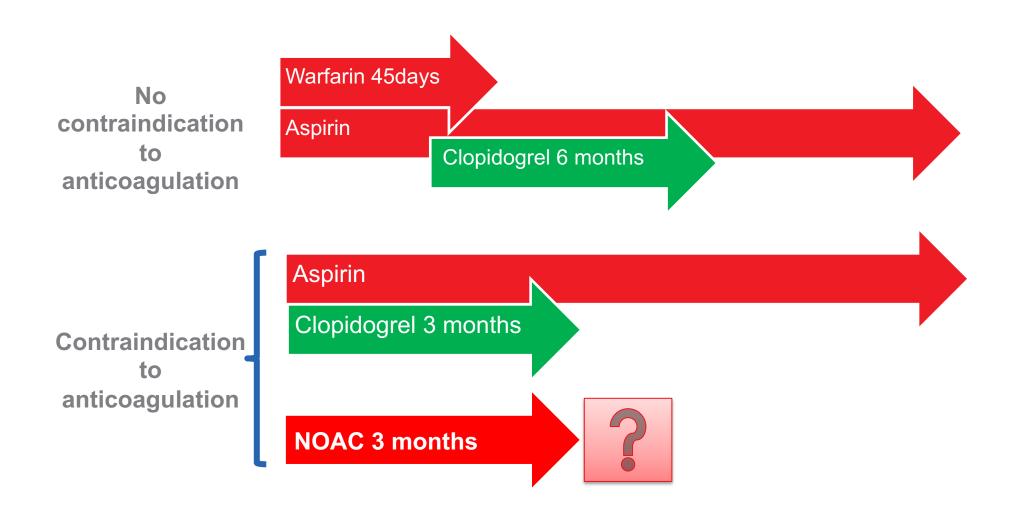


Eviter les complications



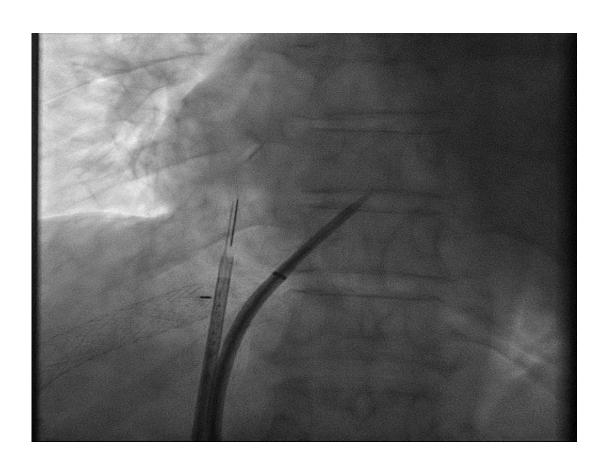


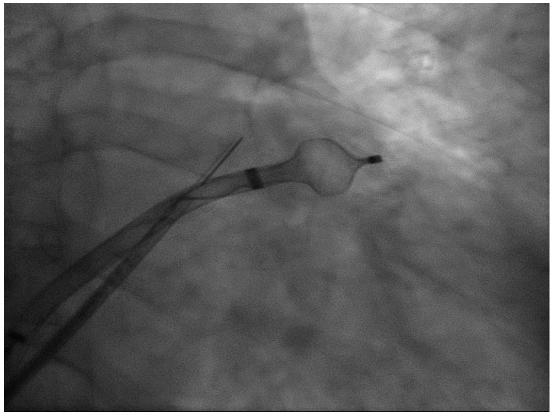
Post-LAAC antithrombotic treatment





Adapter les techniques aux patients





Indications

- Intra-cranial bleeding on anticoagulation
 - 1/3 of ischemic stroke develop hemorrhagic transformation on anticoagulation (Mudd P et al. 2010)
- Extra-cranial bleeding on anticoagulation
 - GI bleeding (e.g. angiodysplasia)
- Contra-indication to anticoagulation
 - Cerebral microbleeds or amyloid angiopathy
 - Low platelet count
- Intolerance to NOAC
 - Renal insufficiency; Liver dysfunction
 - Gl intolerance
- Stroke on anticoagulation
- No compliance to anticoagulation
- No prescription of anticoagulation
 - Anticoagulation is not currently utilized in up to 50% of eligible AF patients (Patel et al. 2012)
 - Registry in 28,634 patients: 70% of females > 80 years were not on OAC 6 months after stroke (Palnum K et al. 2010)





Merci!

