

# STEMI - Antiplatelet Therapy Primary PCI - Summary Clinical Guideline

Reference No: CG-T/2023/143

**Note:** Prasugrel, Ticagrelor, Cangrelor used only for STEMI patients where the decision has been made to proceed to primary PCI and this has been agreed with RDH Catheter labs

**Primary PCI for STEMI**  
**Aspirin 300mg stat**  
Tel 07584407868 to activate team

If patient unable to take oral therapy (vomiting ++, unconscious) d/w consultant re: Cangrelor iv 30mcg/kg over 1 minute then 4mcg/kg/min for 2-4 hours

**Note:** Patients with previous CVA/TIA or cerebral bleed have a contraindication to prasugrel. Intracerebral bleed is a contraindication to Ticagrelor as well.

**Has patient ever had CVA/TIA**

Yes

**Has the patient had a confirmed intracerebral bleed**

No

No

Yes

**Is patient >75 years or <60 kg?**

No

Yes

**Note:** Load at earliest opportunity at A&E, or cath labs, but not before PPCI procedure has been confirmed.

**Load with Prasugrel 60mg**

**Load with Ticagrelor\* 180mg**

**Load with Clopidogrel 600mg**

**Primary PCI**

**Note:** A reduced maintenance dose of prasugrel of 5mg daily is licensed for patients who weigh less than 60kg or who are older than 75 years. However, primary PCI patients who weigh less than 60kg or who are older than 75 years will receive ticagrelor.

**Prasugrel 10mg daily for 12 months\*\***

**Ticagrelor\* 90 mg twice daily for 12 months\*\***

**Clopidogrel 75mg daily for 12 months\*\***

\* Ticagrelor is contraindicated in patients taking potent CYP3A4 inhibitors (for example, ketoconazole, clarithromycin, nefazodone, ritonavir, or atazanavir) – use Clopidogrel.

\*\*At discharge, the duration of therapy must be stated

Patients who have a stent thrombosis whilst on Clopidogrel (or who are intolerant of Clopidogrel) should receive Prasugrel (duration and dose at discretion of operator)

**Switch from Cangrelor to oral therapy**

Cangrelor to Clopidogrel or Prasugrel – give the oral loading dose after the Cangrelor infusion is discontinued

Cangrelor to Ticagrelor – give the oral loading dose as soon as possible, even if still on the infusion

Keywords:

**ppci, primary PCI, STEMI, ACS, Clopidogrel, ticagrelor, prasugrel, cangrelor, anti platelet, cardiology, MI, acute coronary syndrome, myocardial infarction**

**Documentation Controls**

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Approved By:	Cardiology - February 2019 Medical Division - 21/02/2019 Review no change - Cardiology Dec 2023 Medicine Division -
Review Date:	December 2026
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