



Policy code	DTP_TIC_0924	
Date	September, 2024	
Purpose	To ensure a consistent procedural approach to ticagrelor administration.	
Scope	Applies to all Queensland Ambulance Service (QAS) clinical staff.	
Health care setting	Pre-hospital assessment and treatment.	
Population	Applies to all ages unless specifically mentioned.	
Source of funding	Internal – 100%	
Author	Clinical Quality & Patient Safety Unit, QAS	
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Drug class

Antiplatelet [1,2]

Pharmacology

Ticagrelor is a reversibly binding, direct-acting adenosine diphosphate (ADP) receptor antagonist that inhibits platelet activation and aggregation.^[1,2]

Metabolism

Hepatic.[1]

Indications

Patients with STEMI (as defined by the relevant QAS CPP)
who have been accepted for pPCI (as an adjunct
medication to aspirin and heparin) AND the receiving
interventional cardiologist is requesting ticagrelor
administration

Contraindications

- Allergy AND/OR Adverse Drug Reaction
- Patients aged less than 18 years
- Modified Rankin Scale equal to or greater than 4
- Ischaemic chest pain greater than 12 hours
- History of terminal illness, or under the care of a palliative care service
- Symptoms suggestive of an acute aortic dissection
- Patient currently taking ticagrelor OR clopidogrel

Contraindications (cont.,

- Prior intracranial haemorrhage
- Active bleeding (excluding menstruation)

Precautions

- Concurrent medication known to induce bradycardia (e.g. β blocker, calcium channel blocker, digoxin)
- Symptomatic bradycardia (HR less than 60)
- Hepatic impairment

Side effects

Haemorrhage

Presentation

- Tablet, 90 mg ticagrelor
- Orally Disintegrating Tablet (ODT), 90 mg ticagrelor

Onset	Duration	Half-life
≈ 30 minutes	7 days (antiplatelet)	7 hours

Schedule

• S4 (Restricted drugs)

Routes of administration

Per oral (PO)



Special notes

- Ambulance officers must only administer medications for the listed indications and dosing range. Any consideration for treatment outside the listed scope of practice requires mandatory approval through the QAS Clinical Consultation and Advice Line.
- 90 mg ticagrelor ODTs have recently been introduced into QAS as a loading dose alternative to 90 mg ticagrelor tablets. Clinicians should continue to use existing 90 mg ticagrelor tablet stock until all stock is depleted or expired.

Adult dosages [1-4]

Patients with STEMI (as defined by the relevant QAS CPP)
Who have been accepted for pPCI (as an adjunct medication to aspirin and heparin) AND the receiving interventional cardiologist is requesting ticagrelor administration



PO

≥ 18 years – **180 mg**

Paediatric dosages

Note: QAS officers are **NOT** authorised to administer ticagrelor to paediatric patients.

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