



Policy code	DTP_ASP_0423	
Date	April, 2023	
Purpose	To ensure a consistent procedural approach to aspirin administration.	
Scope	Applies to Queensland Ambulance Service (QAS) clinical staff.	
Health care setting	Pre-hospital assessment and treatment.	
Population	Applies to all ages unless stated otherwise.	
Source of funding	Internal – 100%	
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Drug class[1,2]

Antiplatelet

Pharmacology

Aspirin inhibits platelet aggregation by irreversibly inhibiting cyclo-oxygenase, reducing the synthesis of thromboxane A2 (an inducer of platelet aggregation) for the life of the platelet. This action forms the basis of preventing platelets from aggregating to exposed collagen fibres at the site of vascular injury.^[1-3]

Metabolism

Aspirin is converted to salicylic acid in many tissues, but primarily in the GI mucosa and liver. It is subsequently excreted by the kidneys.^[1]

Indications [1-3

- Suspected ACS
- Acute cardiogenic pulmonary oedema

Contraindications

- Allergy AND/OR Adverse Drug Reaction to aspirin OR any non-steroidal anti-inflammatory drug (NSAID)
- Bleeding OR clotting disorders (e.g. haemophilia)
- Current GI bleeding OR peptic ulcers
- Patients less than 18 years of age

Precautions

- Possible aortic aneurysm or any other condition that may require surgery
- Pregnancy
- History of GI bleeding or peptic ulcers
- Concurrent anticoagulant therapy (e.g. warfarin)

Side effects 14.2

- Epigastric pain/discomfort
- Nausea and/or vomiting
- Gastritis
- GI bleeding
- NSAID induced bronchospasm



Presentation

• Tablet (white), 300 mg aspirin

Onset	Duration	Half-life (
≈ 10 minutes	≈ 1 week	3.2 hours
(variable)	(antiplatelet)	(300–650 mg)

Schedule

• S2 (Therapeutic poisons).

Routes of administration

Per oral (PO)



Special notes

- In suspected ACS or acute cardiogenic pulmonary oedema aspirin should be administered following the initial dose of GTN (if indicated).
- Aspirin administration is indicated for patients with suspected
 ACS or acute cardiogenic pulmonary oedema, even if pain free.
- Aspirin is classified as a non-steroidal anti-inflammatory drug (NSAID).

Special notes (cont.)

- 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 via the QAS Clinical Consultation and Advice Line.
- Patients who have had less than 300 mg aspirin in the previous 24 hours and who present with suspected ACS or acute pulmonary oedema should be administered a dose of aspirin that equates to a total daily dose of 300–450 mg.

Adult dosages [1-3]

- Suspected ACS
- Adute cardiogenic pulmonary oedema



PO

≥ 18 years – **300 mg**

Chewed and followed by a small sip of water (where possible).

Paediatric dosages

Note: QAS officers are **NOT** authorised to administer aspirin to patients under 18 years of age.