

Initial Date: 07/19/2023
Revised Date: 12/10/2025

Section: 9-13R

Amiodarone

Pharmacological Category: Antiarrhythmic Agent

Routes: IV/IO

Indications:

1. Cardiac Arrest (V-Fib or pulseless V-Tach)
2. Tachycardiac that is stable but symptomatic (i.e., does not require immediate cardioversion)
 - a. Rhythm is irregular and narrow (i.e., A-Fib/A-Flutter)
 - b. Rhythm is regular with a wide QRS (i.e., V-Tach, SVT/A-Flutter with aberrancy)

Contraindications:

1. Cardiogenic Shock
2. Severe sinus node dysfunction
3. Bradycardia with syncope except with functioning artificial pacemaker

Expected effects:

1. Prolongs refractory period
2. Inhibits alpha and beta adrenergic stimulation

Side effects:

1. Prolonged QT
2. Vasodilation
3. Hypotension

Dosing: CARDIAC ARREST (Adult)

Indication: V-Fib/V-Tach

Adults administer:

1. Amiodarone 300 mg IV/IO (May repeat once 150 mg IV/IO)

Dosing: TACHYCARDIA (Adult)

Indication: Irregular Narrow rhythm (i.e., A-Fib/A-Flutter) or Regular Wide QRS rhythm (i.e., V-Tach, SVT/A-Flutter with aberrancy):

Adults administer:

1. Amiodarone 150 mg IV over 10 minutes

Indication: Suspected V-Tach

Adults administer:

1. Amiodarone 150 mg IV over 10 minutes as needed to a maximum of 450 mg

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Dosing: PEDS CARDIAC ARREST

Indication: V-Fib/V-Tach

Pediatrics administer:

1. According to MI MEDIC
2. If MI MEDIC is not available administer:
 - a. Amiodarone 5 mg/kg (max single dose 300 mg) IV/IO. May repeat twice.
Do not exceed 450 mg total

Dosing: PEDS TACHYCARDIA

Indication: Unstable Regular, Wide Complex Tachycardia

Pediatrics administer:

1. According to MI MEDIC
2. If MI MEDIC is not available administer:
 - a. Amiodarone 5 mg/kg (max single dose 300 mg) IV/IO slow push over 10 minutes. May repeat twice. Do not exceed 450 mg total IV/IO
 - b. MI MEDIC includes amiodarone for shock resistant V-fib. The dosage is the same for unstable wide complex tachycardia (with a pulse), administered slow IV push.

Used in the Following Protocols

General Cardiac Arrest (Section 5 Adult Cardiac)

Tachycardia (Section 5 Adult Cardiac)

Pediatric Cardiac Arrest – General (Section 6 Pediatric Cardiac)

Pediatric Tachycardia (Section 6 Pediatric Cardiac)