

Amiodarone (Cordarone)

Formulary

Douglas County Kansas EMS System

March 2021

Approved Provider: AEMT, Paramedic

Referenced Protocols: [CAPE](#), [Dysrhythmias](#)

Dosing and Administration	
ADULT Medications: <ul style="list-style-type: none">• <u>VF/Pulseless VT:</u> 300mg repeat in 5 min at 150mg.• <u>Non cardiac arrest:</u> 150mg over 10min. (100gtts/min. 150mg in 100cc of NS with 10gtts set)• <u>Post Arrest/Maintenance infusion:</u> 1mg/min IV/IO (40gtts/min. 150mg in 100cc NS with 60gtts set)	PEDIATRIC Medications: Refer to HandTevy <ul style="list-style-type: none">• <u>VF/Pulseless VT:</u> 5mg/kg q 5 min max of 15mg/kg• <u>Non cardiac arrest:</u> 5mg/kg over 20-60 min.

Pharmacology and Actions:

- Amiodarone is a class 3 antidysrhythmic, with multiple actions on K⁺, Na⁺, and Ca⁺ movement in myocardial cells
- Decreases phase 4 automaticity
- Decreases cardiac conduction velocity, increases action potential duration, and prolongs refractory period
- Decreases the disparity of electrical conduction and repolarization times between healthy and ischemic tissue

Indications:

- All ventricular tachydysrhythmias
- V-fib
- Ventricular tachycardia
- ☎ Consider for atrial tachycardias

Contraindications:

Patients with a pulse who have one of the following:

- Cardiogenic shock
- Sinus Bradycardia
- 2nd or 3rd degree heart block
- A-Fib/Flutter >48hr in duration

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Precautions:

- May worsen existing arrhythmias in <2% of patients
- May potentiate the effects of beta and calcium channel blockers
- May reduce energy requirements to defibrillate

Administration:

- IV/IO **PUSH** in pulseless patients
- IV/IO **DRIP** in patients with a pulse
 - Maintenance infusion post arrest or after initial loading dose (150mg over 10 min.)

Side Effects:

- Hypotension
- Bradycardia
- Heart Block
- Congestive Heart Failure