

AMIODARONE (CORDARONE)

PHARMACOLOGY & MECHANISM OF ACTIONS:

- ❑ Antiarrhythmic
- ❑ Effects sodium, potassium, calcium channels, as well as alpha and beta adrenergic blocking properties
- ❑ Prolongs the action potential and refractory period in myocardial tissue
- ❑ Depresses automaticity of the sinoatrial node
- ❑ Increases atrial and ventricular refractoriness and prolongs QT interval
- ❑ Rapidly distributed
- ❑ Half life up to 40 days

INDICATIONS:

- ❑ Cardiac arrest (shockable rhythm: VFib, VTach)
- ❑ Refractory Vfib or Vtach in cardiac arrest
- ❑ Stable, perfusing Ventricular Tachycardia

CONTRAINDICATIONS:

- ❑ 2nd and 3rd degree heart block
- ❑ Bradycardia
- ❑ Hypersensitivity to Amiodarone

ADMINISTRATION:

ADULT	PEDIATRIC
<div style="display: flex; align-items: center;"> <div style="background-color: green; color: white; padding: 5px; writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 5px;">EMT-I</div> <div style="flex-grow: 1;"> <p><i>V - FIB OR V - TACH IN CARDIAC ARREST</i></p> <ul style="list-style-type: none"> ❑ 300 mg diluted in 20 mL NS IV/IO ❑ May repeat in 5 minutes x 1 at 150 mg diluted in 20 mL NS IV/IO <p><i>STABLE PERFUSING V - TACH</i></p> <ul style="list-style-type: none"> ❑ 150 mg IV/IO drip @ 15mg/min ❑ Follow with 1mg/min maintenance drip. </div> </div>	<div style="display: flex; align-items: center;"> <div style="flex-grow: 1;"> <p><i>V - FIB OR V - TACH IN CARDIAC ARREST</i></p> <ul style="list-style-type: none"> ❑ 5 mg/kg IV/IO diluted in NS (max. dose 300 mg) ❑ Contact OLMC for additional dosing <p><i>STABLE PERFUSING V - TACH</i></p> <ul style="list-style-type: none"> ❑ 5 mg/kg over 20 to 60 minutes after OLMC consultation ❑ Max. single dose 150 mg </div> <div style="background-color: green; color: white; padding: 5px; writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-left: 5px;">EMT-I</div> </div>

PRECAUTIONS & SIDE EFFECTS:

- ❑ Hypotension
- ❑ Prolonged QT interval
- ❑ Proarrhythmic (Torsades, VFib)
- ❑ Severe bradycardia
- ❑ Atrioventricular block
- ❑ Use with caution in patients with CHF.
- ❑ Adverse effects may be long lasting because the half-life is up to 40 days.

AMIODARONE (CORDARONE) CONT.

SPECIAL NOTES:

- ❑ Pregnancy Category D.
- ❑ Peripheral vein IV infusion concentrations should not exceed 3 mg/mL. Can cause phlebitis if greater than 3 mg/mL.
- ❑ Amiodarone should be administered slowly to a patient with a pulse but may be given rapidly to a patient in cardiac arrest.