

# Southern Illinois Regional EMS System

## JJ-3 AMIODARONE (CORDARONE)

### Class:

- Class III antiarrhythmic.

### Description:

- Amiodarone acts directly on the myocardium to delay repolarization and increase the duration of the action potential.

### Onset and Duration:

- Onset: Within minutes.
- Duration: Variable.

### Indications:

- For the initial treatment and prophylaxis of ventricular arrhythmias.

### Contraindications:

- Cardiogenic Shock.
- Hypotension.
- Sensitivity to Amiodarone.
- Bradycardia.

### Adverse Reactions:

- Hypotension.
- Bradycardia.
- Atrioventricular conduction abnormalities.

### Drug Interactions:

- May potentiate bradycardia and hypotension with beta-blocker and calcium channel blockers.
- May increase risk of atrioventricular block and hypotension with calcium channel blockers.
- May increase anticoagulant effects of Warfarin (Coumadin).
- May decrease metabolism and increase serum levels of phenytoin, procainamide, quinidine, and theophyllines.
- Y-site incompatibilities with Furosemide, heparin, and sodium bicarbonate.

### How Supplied:

- 150mg vials or pre-filled syringes.

### Dosage and Administration:

- Adult:
  - Pulseless arrest:
    - 300mg IV push (diluted in 20 – 30 mL of NS).
    - Consider repeating 150mg IV push in 3 – 5 minutes.
    - Maximum cumulative dose: 2.2g IV/24 hours.

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## JJ-2 AMIODARONE (CORDARONE)

(continued)

- Wide complex tachycardia with pulses:
  - May be given as rapid infusion 150mg IV over first 10 minutes (15mg/minute) repeated every 10 minutes as needed.
- Pediatric:
  - Pulseless arrest:
    - 5mg/kg rapid IV bolus.
  - Perfusing tachycardia:
    - Loading dose 5mg/kg IV/IO over 20-60 minutes (max dose 15mg/kg/day IV).

### Special Considerations:

- Pregnancy safety Category D.
- Continuous electrocardiogram monitoring is required.
- Slow infusion or discontinue if bradycardia or atrioventricular block occurs.
- Maintain at room temperature and protect from excessive heat.