

Medication: Lidocaine	PDN: 6948.05	Last Updated: May 23, 2013	PMD: Andrew Travers*	PDC: Steven Carrigan*	Page 1 of 2
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LIDOCAINE

1.0 Classification

- Class 1B antiarrhythmic

2.0 Mechanism of Action

- Suppresses automaticity and increases ventricular stimulation threshold

3.0 Indications

- VF/VT cardiac arrest
- VT with a pulse
- Runs of VT post cardiac arrest

4.0 Contraindications

- Known hypersensitivity
- Supraventricular arrhythmia
- Bradycardia (HR less than 60)
- Idioventricular rhythm
- 2° or 3° heart blocks

5.0 Precautions

- Exceeding the maximum dosage can lead to central nervous system depression

6.0 Route

- May be given IV/IO

7.0 Dosage

Adult

- For VF/VT cardiac arrest: 1 mg/kg IV then repeat doses of 0.5 mg/kg q 10 minutes if required (maximum total dose of 3 mg/kg)
- For VT with a pulse/runs of VT post cardiac arrest: 1 mg/kg IV then repeat doses of 0.5 mg/kg q 10 minutes if required (maximum total dose of 3 mg/kg)

Pediatric

- For VF/VT cardiac arrest: 1 mg/kg IV then repeat doses of 0.5 mg/kg q 10 minutes if required (maximum total dose of 3 mg/kg)
- For VT with a pulse/runs of VT post cardiac arrest: 1 mg/kg IV then repeat doses of 0.5 mg/kg q 10 minutes if required (maximum total dose of 3 mg/kg)

8.0 Supplied

- 5 mL preloaded syringe with 20 mg/mL

9.0 May Be Given By

- For cardiac arrest: ACP/CCP
- For VT with a pulse: ICP (with order from OLMC/CSD)/ACP/CCP

10.0 Adverse effects

- Seizures
- Hypotension
- Bradycardia
- Vomiting
- Dizziness
- Arrhythmia

11.0 Special notes

- Pregnancy category B [if there is a clinical need for it, Category B drugs are considered safe to use]

12.0 References

- Cardiac Arrest Adult Clinical Practice Guideline
- Adult Cardiac Arrhythmia Clinical Practice Guideline
- Compendium of Pharmaceuticals and Specialties (CPS)

*Electronically Signed

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