**LIDOCAINE**

1.0 **Classification**
- Class 1B antiarrhythmic

2.0 **Mechanism of Action**
- Supresses 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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