**Lidocaine**

**Protocols:**
1. Adult Cardiac Arrest – General (MCA Selection)
2. Adult and Pediatric Tachycardia (MCA Selection)
3. Vascular Access & IV Fluid Therapy (IO placement)

**Indications:**
1. Alternative to amiodarone in cardiac arrest from VF/VT
2. Alternative to amiodarone in pulsatile VT
3. As an anesthetic agent when administering medications via intraosseous route

**Contraindications:**
1. Hypersensitivity to lidocaine
2. Bradycardia or heart block

**Dosing:**
1. Cardiac Arrest (Adult) 100 mg IV/IO
2. Wide complex tachycardia
   a. Adults: 1 mg/kg
   b. Pediatric: 1 mg/kg (only with medical direction)
   c. May repeat after 5-10 minutes to a maximum of 3 mg/kg
3. For conscious patients with pain from IO infusion
   a. Adults: 20 mg IO
   b. Pediatrics: 0.5 mg/kg, maximum dose 20 mg

**Expected Effects:**
1. Increased VF threshold
2. Decreased ventricular irritability
3. Decreased pain with infusion