

**Seminole Community College**  
**Medication Handout #8**  
**Lidocaine (Xylocaine)**

<b>Name:</b>	Lidocaine (Xylocaine)
<b>Classification:</b>	Antiarrhythmic
<b>Description:</b>	Lidocaine is an antidysrhythmic that suppresses automaticity and raises stimulation threshold of the ventricles. It also causes sedation, anticonvulsant, and analgesic effects. It is also used to drop intercranial pressure (ICP) in Rapid Sequence Induction (RSI). It is a Sodium Channel Blocker.
<b>Indications:</b>	Pulse / Pulseless Ventricular Tachycardia, Ventricular Fibrillation, Premature Ventricular Contractions
<b>Contraindications:</b>	Hypersensitivity to amide-type local anesthetics, supraventricular dysrhythmias, Stokes-Adams syndrome, 2 <sup>nd</sup> and 3 <sup>rd</sup> degree Heart blocks, and bradycradians
<b>Precautions:</b>	Hepatic or renal impairment, CHF, hypoxia, respiratory depression, hypovolemia, myasthenia gravis, shock, debilitated patients, elderly, family history of malignant hypothermia.
<b>Dosage / Route:</b>	<p><b>Cardiac Arrest (Pulseless VT / VF)-Adult:</b> 1.0 to 1.5 mg/kg repeated every 3 to 5 minutes to a maximum of 3 mg/kg. Post conversion a drip of 2 to 4 mg/minute.</p> <p><b>Pediatric-</b> 1 mg/kg slow IV. May repeat every 3 to 5 minutes to a maximum of 3 mg/kg. Post conversion with a drip of 20 to 50 mcg/kg/min</p> <p><b>Ventricular Tachycardia with a pulse-Adult:</b> 1 to 1.5 mg/kg slow IV. May repeat at one-half dose every 5 to 10 minutes until conversion up to 3 mg/kg. Post conversion a drip of 2 to 4 mg/minute.</p> <p><b>Pediatric-</b> 1 mg/kg slow IV followed with a drip of 20 to 50 mcg/kg/min</p>