

Lidocaine

<u>Generic Name:</u>	<u>Brand Name:</u>	<u>Drug Class:</u>
Lidocaine	Xylocaine, Xylocard	Antiarrhythmic, Anesthetic
<u>Mechanism of Action:</u>	<u>Time to Onset:</u>	<u>Duration of Effects:</u>
Binds sodium channels open, preventing conduction of pain impulses. Slows phase 0 cardiac action potential.	<ul style="list-style-type: none"> • IO: 15-30 seconds • IV: 1-2 minutes 	<ul style="list-style-type: none"> • IO: 30-60 minutes • IV: 5-10 minutes
<u>Indications:</u>	<u>Contraindications:</u>	<u>Possible Side Effects:</u>
<ul style="list-style-type: none"> • IO administration • Ventricular arrhythmias • Intubation (to blunt increase in ICP) 	<ul style="list-style-type: none"> • Stokes-Adams • WPW • 2° + heart blocks 	<ul style="list-style-type: none"> • Seizures • Bradycardia • Hypotension • Respiratory depression
<u>Administration Route:</u>	<u>Adult dose:</u>	<u>Pediatric dose:</u>
<ul style="list-style-type: none"> • IO • IV 	<p>Pain relief</p> <ul style="list-style-type: none"> • 20-40 mg via IO <p>Ventricular arrhythmias</p> <ul style="list-style-type: none"> • 1-1.5 mg/kg. May repeat every 5 min (max 3 mg/kg) <p>Intubation</p> <ul style="list-style-type: none"> • 1-1.5 mg/kg 	<p>Pain relief</p> <ul style="list-style-type: none"> • 20-40 mg via IO <p>Ventricular arrhythmias</p> <ul style="list-style-type: none"> • Not recommended <p>Intubation</p> <ul style="list-style-type: none"> • 1-1.5 mg/kg
When successfully used to convert ventricular arrhythmias, a continuous infusion must be established. This drip should be delivered at 1 mg/minute more than what was needed to convert. For example, conversion at 2 mg/kg, an infusion of 3 mg/min should be established.		