

Medication Reference

AUTHORIZED BY: ISSUE DATE: CATEGORY: TITLE:	June 2002 ACP Medications	REVISION DATE: PAGE:				
Other Names:	Xylocaine, Xylocard					
Classifications:	Anti-arrhythmic, Sodium Channel Blo	, Sodium Channel Blocker, local anesthetic				
Pharmacodynamics	 arrhythmias by blocking Sodium (Na) potential. Ventricular excitability is depressed a the ventricle is increased during dias Local or regional anesthetic by inhibitian potential and the sector of th	Suppression of Premature Ventricular Contractions and re-entry arrhythmias by blocking Sodium (Na) channels and shortening action potential. Ventricular excitability is depressed and the stimulation threshold of the ventricle is increased during diastole. Local or regional anesthetic by inhibiting the ionic fluxes required for the initiation and conduction of impulses.				
Onset:	 IV/IO: 45 – 90 seconds. ETT: 1 - 2 min. Aerosol: < 2 min. 					
Peak:	 IV/IO: 2 - 7 min. ETT: < 5 min. Aerosol: < 5 min. 					
Duration:	 IV/IO: 10 - 20 min. ETT: 10 - 20 min. Aerosol: 10 - 20 min. 					
Indications:		bry ventricular fibrillation and pulseless ventricular tachycardia batients with wide complex tachycardias				
Contraindications:	 Hypersensitivity to the medication Idioventricular rhythms Severe degrees of sinoatrial, atriover blocks Addams-Stokes Syndrome 	ntricular or intraventri	cular			
Precautions:	 hypotensive response. Lidocaine should be used with caution impaired cardiac conduction, severe severe	ocaine is sometimes accompanied by a d with caution in patients with epilepsy, ction, severe shock, bradycardia, CHF, AMI, igitalis intoxication, hypokalemia, hepatic & with the elderly.				
Adverse Reactions:	 Slurred speech, drowsiness, parasthe Seizures secondary to lidocaine toxic Respiratory depression Hypotension Nausea and vomiting Anaphylactic reactions Local thrombophlebitis Dizziness, euphoria Bradycardia 	•	IS			

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Drug Interac	tions:		patible with alkaline solu atible with all commercia	•	•		
Special Considerations:			Debilitated, elderly and or acutely ill patients should be given reduced doses commensurate with their age and physical condition.				
Preparations	::		ng/5 ml preload (20 mg/r : 10 mg per spray	ml) 2%			
References:		Comp	o Provincial ALS Patient endium of Pharmaceutica AHA Guidelines : ACLS	•			

<u>NOTE</u>: The information contained herein does not supersede or negate the MoHLTC Provincial Medical Directives and should only serve as general information about the medication itself. For medication dosages, please refer to the current version of the Ontario Provincial ALS Patient Care Standards.