Medication Formulary

**Generic Name:** Lidocaine

**Brand Name:** Xylocaine

**Class:** Antidysrhythmic, local anesthetic.

**Actions:** Decreases diastolic depolarization and raises ventricular fibrillation threshold.

**Onset:** 30-90 seconds

**Duration:** 10-20 minutes.

**Indications:** Ventricular tachycardia, ventricular fibrillation, wide complex tachycardia of unknown origin, significant ventricular ectopy.

**Contraindications:** Hypersensitivity, Adams-Stokes syndrome, second or third degree AV heart block.

**Side Effects:** Vertigo, confusion, vision disturbance, hypotension, cardiovascular collapse, bradycardia, altered level of consciousness, irritability, tetany, seizures.

**Interactions:** Metabolic clearance may be decreased in patients on βeta-blockers, or with decreased liver function. When given with Succinylcholine, apnea may be prolonged. Cardiac depression may occur if given together with Phenytoin. Additive neurologic effects may occur with Procainamide and Tocainide.

**Administration Routes:** IV, IO, ET

**Notes:** A bolus of Lidocaine will remain therapeutic for only about 20 minutes without a drip. High doses of Lidocaine can be toxic resulting in CNS effects. Use cautiously in elderly and chronically ill, especially with metabolic dysfunction.