

Kittitas County Prehospital EMS Protocols

SUBJECT: LIDOCAINE (XYLOCAINE)

ACTION:

Suppresses ventricular ectopy activity, increases ventricular fibrillation threshold, reduces velocity of electrical impulses through conduction system.

INDICATIONS:

Symptomatic, ventricular tachycardia, ventricular fibrillation
Premedication for intubation with head injury
Use as flush through IO for all conscious patients

CONTRAINDICATIONS:

High degree heart blocks, PVC's in conjunction with bradycardia.

PRECAUTIONS:

Dosage should not exceed 300 mg/hour, monitor for CNS toxicity, bolus should be followed by an infusion.

SIDE EFFECTS:

Anxiety, nausea, convulsions, widening of QRS.

DOSAGE:

Bolus: Initial 1 mg/kg IN THE STABLE PATIENT followed by one-half the initial dose every 8-10 minutes, 1.5 mg/kg IN THE UNSTABLE PATIENT, not to exceed 3 mg/kg total dose.

IV Infusion: 2-4 mg/minute (2 grams in 500 mL D5W)

IO: slowly administer 20-50 mg

ROUTE:

IV push / IV drip / IO

PEDIATRIC DOSE:

IV: 1 mg/kg

IO: slowly administer 0.5 mg/kg