

Jackson County Medical Control Authority
MICU Protocols
PROCAINAMIDE HYDROCHLORIDE (PRONESTYL)

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Procainamide Hydrochloride (Pronestyl)

Indications: VT, SVT, V-Fib, Ventricular Arrhythmia

Contra-indications: Hypotension, known hypersensitivity to procainamide or any other local anesthetic of the amide type, second or third degree AV block unless an electrical pacemaker is operative, torsades de pointes, myasthenia gravis, systemic lupus erythematosus.

Adverse Effects: Hypotension, QT prolongation, QRS widening, confusion, tachycardia, torsades de pointes, and systemic lupus erythematosus.

Administration: **LOAD:** 17mg/kg (or 1g) administered no faster than 20-30 mg/min. Discontinue if QRS interval increases by 50%, hypotension occurs, arrhythmia ceases or total of 1g is given. **MAINTENANCE: Mix 1g Procainamide in 250 ml of NS or D5W.** 1-6 mg/min or 1-2.7 mg/kg/hr.

dose (mg/min)	rate ml/hr	Dose (mg/min)	rate ml/hr	dose (mg/min)	Rate ml/hr
1 mg/min	16 ml/hr	3 mg/min	46 ml/hr	5 mg/min	76 ml/hr
1.5 mg/min	22 ml/hr	3.5 mg/min	52 ml/hr	5.5 mg/min	82 ml/hr
2 mg/min	30 ml/hr	4 mg/min	81 ml	6 mg/min	90 ml/hr
2.5 mg/min	38 ml/hr	4.5 mg/min	84 ml		

MICU Directives:

1. Follow generalized protocol for MICU transports.
2. Monitor vital signs every 5 minutes during titration, every 15 minutes when held at a stable dose.
3. Maintain appropriate delivery by IV infusion pump.
4. Continue to reassess patient for symptomatic improvement. Decrease or discontinue infusion if patient develops severe adverse effects.