

PGE1

Potent vasodilator; relaxes smooth muscle tissue in the ductus arteriosus; decreases pulmonary artery resistance; and increases pulmonary blood flow.

GENERAL INFORMATION:

Decreases respiratory rate

Biggest risk is APNEA within 4 hrs: may need intubation prior to transport

Will decrease BP: have fluids and Dopamine ready

Increases pulmonary/systemic perfusion

Corrects metabolic acidosis

May cause fever/vasodilation and rash

May cause jitteriness and a + moro reflex

TO MIX: 500mcg in 80cc of D5W (or NS) and run at pts weight.

Starting dose: .1mcg/kg/min.

(dose range .01-.4mcg/kg/min usually .1-.2mcg/kg/min)

Desired effect usually achieved within 10-15 min. Once desired effect is achieved, serially decrease dose by ½ until lowest tolerated dose is reached.

NOTE: PGE1 keeps duct open.

Indocin closes duct.

Must store unmixed PGE on **ICE!**

VERY EXPENSIVE!