Inhaled Flolan (epoprostol)
Important Flolan (epoprostenol) facts:

• Produces selective pulmonary vasodilation improving ventilation/perfusion matching thereby increasing oxygenation.
• Reduces pulmonary vascular resistance leading to reduced right ventricular afterload and increase in stroke volume.
• Abrupt withdrawal of Flolan can result in rebound pulmonary hypertension, careful weaning is recommended.
• Onset of action 1-2 minutes, duration of action 3-5 minutes, therefore negative effects from discontinuance may occur rapidly.
• Drug therapy should not be interrupted, even during transport.
Dosing

• Flolan may come in different concentrations, however the current concentration is 1500 ng/ml (1.5 mcg/ml)

• The syringe pump is able to calculate the ml/hr rate as long as the correct drug concentration and patient kilograms are entered.

• Initial Dose: 10ng/kg/min

• Titration:
  • Increase by 5ng/kg/min every 30-60 minutes as tolerated to the lowest effective dose

• Avoid abrupt discontinuation wean every 6 hours.
Parts

1. Aerogen Neb
2. T-Piece*
3. Controller box
4. Controller cable
5. AC Adapter
6. Mounting bracket
7. Continuous Neb tube set

*Adult sized
Set-up

Aerogen neb on dry side of heater

Note: for Oscillator, place aerogen neb at the wye. (not pictured)
Aerogen Controller

On/Off Power
- 30 Min. - Press & Release
- Continuous Mode - 3 Sec. hold from off

Error Indicator
30 Minute Mode Indicator light
Continuous Mode Indicator light

Battery Status Indicator
9V DC Input

Controller Cable Input
Place two filters on the expiratory limb.
Change Q2 hour
Syringe Pump Setup
Operate Syringe Pump

• Power on
• Press number corresponding to “CHSU/PICU DRIPS” (could be 2 or 4)
Depress the soft key below “More”
Choose “DOSE / KG / MIN

Confirm on the next screen by hitting “YES”
Prime syringe tubing and load onto syringe pump.

Press “1” BD

On the next screen press “CONFIRM”
Choose #3 “MCG”
Enter the concentration in MCG/mL

Hit “ENTER”

Note: 1500 ng equals 1.5 mcg
Choose #2 Nanograms
Enter patient weight in KG. Hit “ENTER”

Next Screen, Confirm patient KG.
Enter Doctor ordered dose
On the 2 screens, hit “DISABLE” (Enter Bolus Dose & volume limit)
On this screen hit “YES” to confirm. The pump has configured the ML/HR, using the table from pharmacy, confirm that this is the rate expected.
Tubing is already primed, hit green START key.
Note: Please have another set-up ready to go in case of problems.
• See “Inline Flolan Set-up

Set up aerogen (including luer adapter so IV tubing can connect to system)