**VANCOUVER GENERAL HOSPITAL**
**CSU PHARMACEUTICAL SCIENCES**
# NON-FORMULARY DRUG DATA SHEET

## DRUG NAME
treprostinil

## ALTERNATE NAME
REMODULIN

## STRENGTH
20 mL multiuse vials of:
1 mg/mL, 2.5 mg/mL, 5 mg/mL, 10 mg/mL

## CLASSIFICATION
Prostacyclin

## INDICATIONS
- Treatment of pulmonary arterial hypertension when conventional therapy is not effective
- Restricted to Division of Respiratory

## RECONSTITUTION AND STABILITY
- Stable at room temperature
- Diluted solutions stable x 48 hours at room temperature
- Once vial is punctured, discard after 30 days

## COMPATIBILITY
- Compatible with NS or sterile water for injection
- Incompatible with other medications

## ADMINISTRATION
- SUBCUTANEOUS infusion
- IV infusion – 50,000- 300,000 ng/mL in 100 mL NS
  - administer IV via central line (can be infused peripherally in emergencies only)

The IV and SUBCUT infusion rates must be controlled with a CADD pump

## DOSAGE

1 mg = 1,000,000 ng

- SUBCUTANEOUS or IV infusion - initiate at 1 ng/kg/min and increase dose by 1 ng/kg/min Q4H as tolerated

$$\text{Rate (mL/hour)} = \frac{\text{Dose (ng/kg/minute)} \times \text{Weight (kg)} \times 60 \text{ minute/hour}}{\text{Concentration (ng/mL)}}$$

Refer to one of the following charts for IV infusions:
IV Infusion rates for treprostinil concentration 50,000 ng/mL
IV Infusion rates for treprostinil concentration 100,000 ng/mL
IV Infusion rates for treprostinil concentration 200,000 ng/mL
IV Infusion rates for treprostinil concentration 300,000 ng/mL

## SIDE EFFECTS

- Dose limiting effects: chest pain, shortness of breath, nausea/vominting/diarrhea, fatigue/weakness, flushing/warm extremities, heacache/persistent jaw pain, hypotension/bradycardia, seizures, fainting
- Generalized rash and pruritus has been reported
- SUBCUT infusion can cause infusion site pain, redness and swelling

---

## MONITORING

- Monitor BP, pulse, respiratory rate, O2 saturation at baseline, and Q15MIN x 1 hour after each dose titration
- Monitor SUBCUT infusion site Q4H for erythema, pain, edema and swelling

---

Rev. June 2012 KS