

INTRAVENOUS ILOPROST

(PHYSICIAN ORDER SHEET)

[To be kept in Patient's Medication Sheet]

Based on Wigley et al., Ann Intern Med. 1994;120(3):199-206

Adapted by Dr Ramani Rheumatology Clinic



Date:

NON-MEDICATION ORDERS

VITALS

☐ Weight kg

☐ Vital signs at baseline

☐ Vital signs every mins

(Vital signs at each dose increase)

☐ Cardiac monitoring please

☐ Others:

DOSING PROTOCOL

- Start 0.5 ng/kg/min
- Increase by 0.5 ng/kg/min every 30 minutes
- Maximum dose 2 ng/kg/min
- 50 micrograms iloprost in 250 mL NS / D5W

PRN MEDICATIONS

- ☐ Chlorpheniramine (Piriton) tablet 4 mg or 10 mg IV PRN
- ☐ Paracetamol tablet 1 g PRN
- ☐ Metoclopramide tablet 10 mg oral or 10 mg IV PRN
- ☐ Other

Physician signature & stamp:

PATIENT'S DATA

Name:

MRN:

Ward / Bed:

Drug allergy / allergies:

ILOPROST ORDER AND DOSE-RATE REFERENCE

MEDICATION ORDERS

☐ Start IV

- Mix 50 micrograms iloprost in 250 mL NS / D5W.
- Start iloprost infusion at mL/hour.
- Increase infusion by increments as tabled below every 30 minutes until the maximum tolerated dose is achieved.
- Dose should not exceed mL/hour (maximum).
- Continue infusion until the 250 mL mixture has finished, or for a maximum of hours (usually 8 hours), whichever is achieved first.
- If the infusion is to continue overnight, the infusion rate should be reduced to 15 mL/hour (or lower if necessary).
- If side effects occur (headache, nausea, vomiting and dizziness), decrease to the previous dose. After 30 minutes, increase the infusion rate again. If the patient cannot tolerate after ONE try, maintain the previous tolerable dose until the infusion is completed.
- Give the next day's dose at the previous day's last tolerated rate.
- Review after 3 doses to decide whether a total of 5 days is needed.

ILOPROST WEIGHT-BASED INFUSION RATE REFERENCE (mL/hour)

Body weight (kg)	Increase by (mL/h)	0.5 ng/kg/min	1.0 ng/kg/min	1.5 ng/kg/min	2.0 ng/kg/min
40	6	6	11	17	24
45	6-7	7	14	20	27
50	7-8	8	15	22	30
55	8-9	8	17	25	33
60	9	9	18	27	36
65	9-10	10	20	29	39
70	10-11	11	21	31	42
75	11-12	11	23	34	45
80	12	12	24	36	48
85	12-13	13	26	38	50*
90	13-14	14	27	40	50*
95	14-15	14	29	43	50*
100	15	15	30	45	50*



Prostacycline Infusion (Iloprost) Infusion Pump

Date: _____

Dilution: 1 vial iloprost (50 micrograms) diluted with NS / D5W to a total volume of 250 mL.

Dose (ng/kg/min)	0.5	1.0	1.5	2.0
Step	1	2	3	4
Infusion rate (mL/hour)				

Duration		Infusion Rate	Vitals		Side Effects			
Hours	Time (hh:mm)	Infusion rate (mL/h)	B/P	PR	Nausea	Vomiting	Flushing	Abdo cramps
0 h (Baseline)								
0.15 h								
0.30 h								
0.45 h								
1.00 h								
1.15 h								
1.30 h								
1.45 h								
2.00 h								
2.15 h								
2.30 h								
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3.00 h								
3.15 h								
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6.45 h								
7.00 h								
7.15 h								
7.30 h								
7.45 h								
8.00 h								