

Dosing of Inhaled Epoprostenol (Flolan)

Epoprostenol dose in **ng/kg/min** based on patient ideal body weight:

- o Male = $50 + [2.3 \times (\text{height in inches} - 60)]$
- o Female = $45 + [2.3 \times (\text{height in inches} - 60)]$

ARDS & Refractory Hypoxemia:

1. Maximum dose: 50ng/kg/min based on ideal body weight (doses above this have not demonstrated any additional efficacy and may increase the risk of systemic side effects)
2. Dose range: 10-50ng/kg/min based on ideal body weight
3. Initial dose is typically 50ng/kg/min. Dose should then be weaned as tolerated to lowest effective dose based on monitoring of patient response to therapy.
4. All dose changes/weaning must be made by physician order only.
5. Weaning: Decrease dose by 50% every 2 hours until less than 10ng/kg/min. Once at 10 ng/kg/min, turn off. Ex. 50 ng/kg/min, then 25 ng/kg/min, then 10 ng/kg/min, then off.
6. If patient does not tolerate, a slower weaning process may also be used. For example: decrease dose by 10ng/kg/min q 2 hours until less than 10ng/kg/min. Once at 10 ng/kg/min, turn off. Ex. 50 ng/kg/min, then 40 ng/kg/min, then 30 ng/kg/min, then 20 ng/kg/min, then 10 ng/kg/min, then off.

Pulmonary Hypertension and Right Heart Failure:

1. Maximum dose: 50ng/kg/min based on ideal body weight (doses above this have not demonstrated any additional efficacy and may increase the risk of systemic side effects)
2. Dose range: 5-50ng/kg/min based on ideal body weight
3. Starting dose varies depending on patient setting and characteristics, but is typically initiated between 20-50 ng/kg/min.
4. Wean dose based on monitoring parameters.
5. All dose changes/weaning must be made by physician order only.

Epoprostenol dose (ng/kg/min)	Flow rate in mL/hr for Epoprostenol 30,000 ng/mL						
	40-49 kg	50-59 kg	60-69 kg	70-79 kg	80-89 kg	90-99 kg	>100 kg
5	0.45	0.55	0.65	0.75	0.85	0.95	1.05
10	0.9	1.1	1.3	1.5	1.7	1.9	2.1
15	1.35	1.65	1.95	2.25	2.55	2.85	3.15
20	1.8	2.2	2.6	3	3.4	3.8	4.2
25	2.25	2.75	3.25	3.75	4.25	4.75	5.25
30	2.7	3.3	3.9	4.5	5.1	5.7	6.3
35	3.15	3.85	4.55	5.25	5.95	6.65	7.35
40	3.6	4.4	5.2	6	6.8	7.6	8.4
45	4.05	4.95	5.85	6.75	7.65	8.55	9.45
50	4.5	5.5	6.5	7.5	8.5	9.5	10.5