

• Commonly Used ICU MEDICATIONS For Hemodynamically Unstable Patients

Drug	Class	Dose	
		per kg	average
Pressors, Inotropes, and Chronotropes			
Phenylephrine	α_1	10-300 $\mu\text{g}/\text{min}$	
Norepinephrine	$\alpha_1 > \beta_1$	1-40 $\mu\text{g}/\text{min}$	
Epinephrine	$\alpha_1, \alpha_2, \beta_1, \beta_2$	2-20 $\mu\text{g}/\text{min}$	
Isoproterenol	β_1, β_2	0.1-10 $\mu\text{g}/\text{min}$	
Dopamine	D β, D α, β, D	0.5-2 $\mu\text{g}/\text{kg}/\text{min}$ 2-10 $\mu\text{g}/\text{kg}/\text{min}$ >10 $\mu\text{g}/\text{kg}/\text{min}$	50-200 $\mu\text{g}/\text{min}$ 200-500 $\mu\text{g}/\text{min}$ 500-1000 $\mu\text{g}/\text{min}$
Dobutamine	$\beta_1 > \beta_2$	2-20 $\mu\text{g}/\text{kg}/\text{min}$	50-1000 $\mu\text{g}/\text{min}$
Amrinone	PDE	0.75 mg/kg over 3 min then 5-10 $\mu\text{g}/\text{kg}/\text{min}$	40-50 mg over 3 min then 250-900 $\mu\text{g}/\text{min}$
Milrinone	PDE	50 $\mu\text{g}/\text{kg}$ over 10 min then 0.375-0.75 $\mu\text{g}/\text{kg}/\text{min}$	3-4 mg over 10 min then 20-50 $\mu\text{g}/\text{min}$
Vasopressin	V_1	0.02-0.04 Units/min	
Vasodilators			
Nitroglycerin	NO	10-1000 $\mu\text{g}/\text{min}$	
Nitroprusside	NO	0.1-10 $\mu\text{g}/\text{kg}/\text{min}$	5-800 $\mu\text{g}/\text{min}$
Nesiritide	BNP	2 $\mu\text{g}/\text{kg}$ IVB then 0.01 $\mu\text{g}/\text{kg}/\text{min}$	
Labetalol	α_1, β_1 , and β_2 blocker	20 mg over 2 min then 20-80 mg q 10 min or 10-120 mg/hr	
Fenoldopam	D	0.1-1.6 $\mu\text{g}/\text{kg}/\text{min}$	10-120 $\mu\text{g}/\text{min}$
Epoprostenol	vasodilator	2-20 ng/kg/min	
Enalaprilat	ACE	0.625-2.5 mg over 5 min then 0.625-5 mg q 6 hrs	
Hydralazine	vasodilator	5-20 mg q 20-30 min	
Anti-arrhythmics			
Amiodarone	K <i>et al.</i> (Class III)	150 mg over 10 min, then 1 mg/min x 6 hrs, then 0.5 mg/min x 18 hrs	
Lidocaine	Na channel (Class IB)	1-1.5 mg/kg then 1-4 mg/min	100 mg then 1-4 mg/min
Procainamide	Na channel (Class IA)	17 mg/kg over 60 min then 1-4 mg/min	1 g over 60 min then 1-4 mg/min
Ibutilide	K channel (Class III)	1 mg over 10 min, may repeat x 1	
Propranolol	β blocker	0.5-1.0 mg q 5 min then 1-10 mg/hr	
Esmolol	$\beta_1 > \beta_2$ blocker	500 $\mu\text{g}/\text{kg}$ then 25-300 $\mu\text{g}/\text{kg}/\text{min}$	20-40 mg over 1 min then 2-20 mg/min
Verapamil	CCB	2.5-5 mg over 1-2 min repeat 5-10 mg in 15-30 min prn 5-20 mg/hr	
Diltiazem	CCB	0.25 mg/kg over 2 min reload 0.35 mg/kg x 1 prn then 5-15 mg/hr	20 mg over 2 min reload 25 mg x 1 prn then 5-15 mg/hr
Adenosine	purinergic	6 mg rapid push if no response: 12 mg \rightarrow 12-18 mg	