JDH Dose Guidelines for IV Titratable Medications

Desired patient response is required to be ordered by prescriber; Parameters for Individual doses may be modified by the Physician

Refer to the unit specific medication protocols for additional details Ref. date 9/8/08

Medication	Admixture Concentration (s) Conc.-fluid restricted patient	Initial Rate of Infusion (unless MD orders rate)	Incremental Rate Increase/Decrease	Desired Patient Response	Maximum Dose For specified time	Call Physician Parameters
Cisatracurium (Nimbex®)	100 mg / 100 ml D5W =1mg / ml	Load: 0.1 -0. 2 mg/kg then CI: 2 mcg/kg/min	Titrate by 1 mcg/kg/min q hour	To achieve specified Train of four	5 mcg/kg/min	Specified Train of four not achieved @ Maximum Dose
Dobutamine (Dobutrex®)	250mg /250ml D5W = 1 mg/ ml	1 mcg/kg/min	Titrate by 1 mcg/kg/min q 5-10 mins	To achieve specified increase in CO	CSDU-10 mcg/kg/min ICU/ED - 20 mcg/kg/min	Specified C O not achieved @ Maximum Dose, HR > 140 or V. tachyarrhthymias
Dopamine	400mg/ 500 ml D5W=0.8 mg/ml 800 mg/500ml D5W=1.6mg/ml	Renal 1 mcg/kg/min Inotrope 2 mcg/kg/min Pressor 5 mcg/kg/min	Titrate by 1 mcg/kg/min q 15-30 min Titrate by 1 mcg/kg/min q 5-10 min Titrate by 5 mcg/kg/min q 5-10min	To achieve specified U/ O or U/O > 30 mls/hr, specified increase in SBP	CSDU- 5 mcg/kg/min ICU - 30 mcg/kg/min	Specified U/O or SBP not acheived @ Maximum Dose
Epinephrine	4mg/250ml D5W=16 mcg/ml 8 mg/250ml D5W=32 mcg/ml	0.02 mcg/kg/min	Titrate by 0.02 mcg/kg/min q 3-5 mins	To achieve specified increase of SBP, HR	0.2 mcg/kg/min	Specified SBP, HR not achieved @ Maximum Dose
Esmolol (Brevibloc®)	2500mg/250ml D5W= 10 mg/ml	Load: 500 mcg/kg over 1 min CI: 50 mcg/kg/min	Titrate by 50 mcg/kg/min Every 5 mins with reload of 500 mcg/kg	To achieve specified reduction of SBP,HR or decreases of 15-20%	200 mcg/kg/min	Specified SBP, HR not achieved @ Maximum Dose
Labetolol (Normodyne® Trandate®)	500 mg/ 500 mls D5W= 1 mg/m	Load: 5-20 mg (dose per order) over 2 min CI: 0 . 5 mg/min	Titrate by 0 . 5 mg/min q 15 mins	To achieve specified reduction of SBP	2 mg/min = 120 mg/hr	Specified SBP not achieved @ Maximum Dose
Lorazepam (Ativan®)	100mg/100ml D5W= 1mg/ml	Sedation – Vented Patient/ ETOH W/D 1 mg/hr	Titrate by 1 mg/hr q 30 minutes	To achieve specified Sedation Level	15 mg/hr	Specified Sedation not achieved @ Maximum Dose
Midazolam (Versed®)	100mg/100ml D5W=1 mg/ml	1 mg/hr	Titrate by 1 mg/hr q 5-10 mins	To achieve specified Sedation Level	20 mg/hr	Specified Sedation not achieved @ Maximum Dose
Milrinone	40mg/200ml D5W= 200mcg/ml	Bolus of 50 mcg/kg then CI: 0. 25mcg/kg/min	Titrate by 0.005 mcg/kg/min q 5-10 minutes	To achieve specified increased of CO, dec. PCWP & SVR	0.75 mcg/kg/min	Specified Increase in CO not achieved @ Maximum Dose
Nitroglycerin	50mg/250ml D5W=200mcg/ml 100mg/250ml D5W=400mcgml	10-20 mcg/min	Titrate by 10-20 mcg/min q 3-5 min	To achieve specified decrease of Chest Pain, SOB	200 mcg/min	Specified decrease in chest pain or SOB not achieved @ Maximum Dose
Nitroprusside (Nipride®)	50mg/250ml D5W=200mcg/ml 100mg/250ml D5W=400mcgml	0. 3 mcg/kg/min	Titrate by 0.3 mcg/kg/min q 3-5 min	To achieve specified decrease of SBP	5 mcg/kg/min	Specified decrease in SBP not achieved @ Maximum Dose
Norepinephrine (Levophed®)	4mg/250ml D5W=16 mcg/ml 8mg/250ml D5W=32 mcg/ml	0.03 mcg/kg/min	Titrate by 0.03 mcg/kg/min q 2 min	To achieve specified increase of SBP	0.3 mcg/kg/min	Specified increase in SBP not achieved @ Maximum Dose
Neosynephrine® Phenylephrine-	20mg/250ml D5W=80 mcg/ml 40mg/250ml D5W=160mcg/ml	100 mcg/min	Titrate by 20 mcg/min q 5-15 minutes to 180 mcg/min, as SBP stabilizes decrease to 40-60 mcg/min	To achieve specified increase of SBP	180 mcg/min	Specified increase in SBP not achieved @ Maximum Dose
Propofol (Diprivan®)	500 mg/50 ml DW= 10 mg/ml 1,000 mg/100 ml DW= 10 mg/ml	5 mcg/kg/min (0.3mg/kg/hr)	Titrate by 5 mcg/kg/min q 5-10 minutes	To achieve specified sedation level	75 mcg/kg/min	Specified sedation not achieved @ Maximum Dose
Vasopressin	100 units/ 100 ml NS=1 unit/ml	0. 01 units/min	Titrate by 0.01 units/min q 3-5 mins	To achieve specified increase of SBP	0. 1 units/min	Specified increase in SBP not achieved @ Maximum Dose