



Hypotension/Shock (Non-Trauma)

Medical

CRITERIA

- Blood pressure less than 80 mm/Hg systolic with signs and symptoms such as:
 - Chest pain
 - Dyspnea
 - Rales/Crackles
 - Pulmonary Edema/Congestive Heart Failure- use caution with fluid administration
- Trauma ruled out

PROTOCOL

EMR	Follow <i>General – Universal Patient Care/Initial Patient Contact protocol.</i>	EMR
EMR	Place patient in position of comfort, perform focused history including: <ul style="list-style-type: none"> • Active internal bleeding • Prolonged CPR • Recent surgery • Prior CVA • Pregnancy 	EMR
A	If no signs of pulmonary edema, <i>0.9% Normal Saline 20 mL/kg fluid bolus (up to 1000 mL)</i> , then reassess.	A
[I]	Administer <i>Dopamine (Intropin) 2-10 mcg/kg/min infusion</i> ; titrate to desired effect (mix 400 mg in <i>0.9% Normal Saline 250 mL</i>). or Administer <i>Norepinephrine (Levophed) 0.1- 0.4 mcg/kg/min infusion</i> ; titrate to MAP of 65 mmHg or systolic BP >90 mmHg (mix 4 mg in <i>0.9% Normal Saline 250 mL</i>).	[I]

Refer to charts on next pages.

PEARLS

- Norepinephrine (Levophed) is more potent than Dopamine (Intropin) therefore monitor MAP very closely.

🚨 Closely monitor SpO₂ and EtCO₂

🚨 Closely monitor IV site to prevent infiltration and tissue necrosis



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DOPAMINE DRIP CHART

Weight lbs.	88	110	132	154	176	198	220	242	264	286	308	330	352
Weight kgs	40	50	60	70	80	90	100	110	120	130	140	150	160
mcg/kg	gtts/minute based on 60 drop set												
2	3	4	4	5	6	7	7	8	9	10	10	11	12
3	4	6	7	8	9	10	11	12	13	15	16	17	18
4	6	7	9	10	12	13	15	16	18	19	21	22	24
5	7	9	11	13	15	17	19	21	22	24	26	28	30
6	9	11	13	16	18	20	22	25	27	29	31	34	36
7	10	13	16	18	21	24	26	29	31	34	37	39	42
8	12	15	18	21	24	27	30	33	36	39	42	45	48
9	13	17	20	24	27	30	34	37	40	44	47	51	54
10	15	19	22	26	30	34	37	41	45	49	52	56	60
11	16	21	25	29	33	37	41	45	49	54	58	62	66
12	18	22	27	31	36	40	45	49	54	58	63	67	72
13	19	24	29	34	39	44	49	54	58	63	68	73	78
14	21	26	31	37	42	47	52	58	63	68	73	79	84
15	22	28	34	39	45	51	56	62	67	73	79	84	90
16	24	30	36	42	48	54	60	66	72	78	84	90	96
17	25	32	38	45	51	57	64	70	76	83	89	96	102
18	27	34	40	47	54	61	67	74	81	88	94	101	108
19	28	36	43	50	57	64	71	78	85	93	100	107	114
20	30	37	45	52	60	67	75	82	90	97	105	112	120

*gtts/min rounded to whole drop



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LEVOPHED (NOREPINEPHRINE) DRIP CHART

Weight lbs.	100	150	200	250	>300
Weight kgs	45	68	91	113	136
mcg/kg	gtts/minute based on 60 drop set				
0.1	17	26	34	43	51
0.2	34	51	68	85	102
0.3	51	77	102	128	153
0.4	68	102	136	170	204

*gtts/min rounded to whole drop

Notes: Administer using 60 drop/ml IV set.
Add 4 mg norepinephrine to 250 ml normal saline.