

# PUSH DOSE PRESSORS

from the EMCrit Podcast ([blog.emcrit.org](http://blog.emcrit.org)) and EM:RAP

## EPINEPHRINE

Has alpha and beta<sub>1/2</sub> effects so it is an inopressor

Do not give cardiac arrest doses (1 mg) to patients with a pulse

### Mixing Instructions:

- Take a 10 ml syringe with 9 ml of normal saline
- Into this syringe, draw up 1 ml of epinephrine from the cardiac amp (Cardiac amp contains Epinephrine 100 mcg/ml)
- Now you have 10 mls of Epinephrine 10 mcg/ml

**Onset**-1 minute

**Duration**-5-10 minutes

**Dose**-0.5-2 ml every 2-5 minutes (5-20 mcg)



## PHENYLEPHRINE

It is pure alpha, so no intrinsic inotropy, and *no increase in heart rate*, but increases in coronary perfusion can improve cardiac output.

### Mixing Instructions:

- Take a 3 ml syringe and draw up 1 ml of phenylephrine from the vial (vial contains phenylephrine 10 mg/ml)
- Inject this into a 100 ml bag of NS
- Now you have 100 mls of phenylephrine 100 mcg/ml
- Draw up some into a syringe; each ml in the syringe is 100 mcg/ml

**Onset**-1 minute

**Duration**- 10-20 minutes

**Dose**-0.5-2 ml every 2-5 minutes (50-200 mcg)

