

PUSH DOSE PRESSORS

from the EMCrit Podcast (blog.emcrit.org) and EM:RAP

EPINEPHRINE

Has alpha and beta_{1/2} 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)

