# ANESTHESIOLOGY

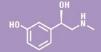


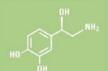
## Pressor Vs. Pressor

A Comparison of: Phenylephrine & Norepinephrine

In this issue, Ngan Kee et al.1 performed a dose-response study of spinals for elective cesarean delivery...

#### **Molecular Structure**





...comparing phenylephrine and norepinephrine for the treatment of hypotension.

### **Receptor Activation<sup>2</sup>**

**↓HR, ↓CO** 

 $\alpha_1 \beta_1 \beta_2$ 

→ HR, ↑CO

### **Relative Potency**

00 μg

(95% CI, 10.4-15.8

(95% CI, 6-10)

**Considerations for peripheral** administration of phenylephrine should be the same...

...as for peripheral norepinephrine at equivalent, dilute potencies.1

CO = cardiac output; HR = heart rate.

Infographic created by Jonathan P. Wanderer, Vanderbilt University Medical Center, and James P. Rathmell, Brigham and Women's Health Care/Harvard Medical School. Illustration by Annemarie Johnson, Vivo Visuals. Address correspondence to Dr. Wanderer: jonathan.p.wanderer@vanderbilt.edu.

1. Ngan Kee WD: A random-allocation graded dose-response study of norepinephrine and phenylephrine for treating hypotension during spinal anesthesia for cesarean delivery. ANESTHESIOLOGY 2017; 127:934-41

2. Mets B: Should norepinephrine, rather than phenylephrine, be considered the primary vasopressor in anesthetic practice? Anesth Analg 2016: 122:1707-14