

## CLINICAL "SNIPPETS"

### **The physiologic effects of noninvasive ventilation**

Kallet RH, Diaz JV.

Department of Anesthesia, University of California San Francisco,  
San Francisco General Hospital, San Francisco, CA 94110, USA

Respir Care. 2009 Jan;54(1):102-15.

**Overview:** The physiologic effects of noninvasive ventilation (NIV) on work of breathing (WOB) and breathing pattern, respiratory-system mechanics, and hemodynamic function were examined via a literature review of clinical studies done between 1990 and 2008.

**Conclusions:** In general, patients with chronic obstructive pulmonary disease have a higher tendency toward decreased cardiac output at high levels of inspiratory pressure-assist, compared to those with acute lung injury.