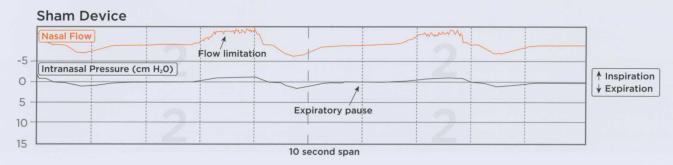
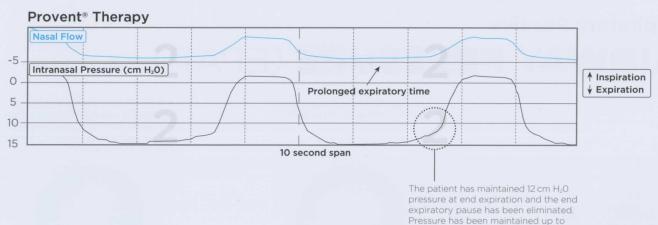
EPAP Maintains

POSITIVE AIRWAY PRESSURE

Until the Start of the Next Inspiration





Possible Mechanisms of Action Include^{1,2}:

- Increase in FRC from increased end expiratory pressure leading to tracheal traction on upper airway
- · Passive expiratory dilatation of upper airway carrying over into inspiration
- Rise in end-tidal PCO₂ (hypercapnia) resulting in increased respiratory drive to the upper airway

References

- Patel AV, Hwang D, Masdeu MJ, Chen GM, Rapoport DM, Ayappa I. Predictors of response to a nasal expiratory resistor device and its potential mechanisms of action for treatment of obstructive sleep apnea. J Clin Sleep Med. 2011;7:13-22.
- Braga CW, Chen Q, Burschtin O, Rapoport DM, Ayappa I. Changes in lung volume and upper airway using MRI during application of nasal expiratory positive airway pressure in patients with sleep disordered breathing. J Appl Physiol 2011 (in press)



the start of the next inspiration.