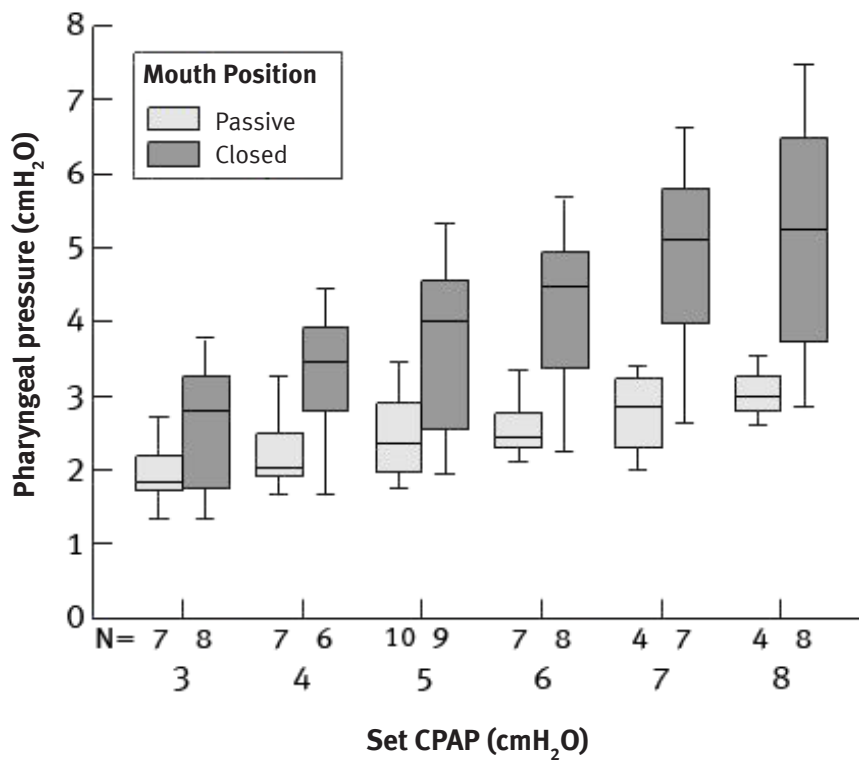


Q: Is a chin strap necessary with the Bubble CPAP set up?

A: Air leak, via the mouth in any CPAP system reduces the effectiveness of the system by allowing a significant loss of pressure. Hence, a chin strap or a pacifier, together with the correct sized prongs, is an effective way of minimizing air leaks during CPAP.

De Paoli et al. demonstrated the CPAP pressure that an infant receives is closer to the pressure set when the mouth is actively closed (Fig. 1).¹ The horizontal line denotes the median value and N = number of observations.



(Fig. 1)

Ref:

¹A G De Paoli, R Lau, P G Davis, C J Morley. Pharyngeal pressure in preterm infants receiving nasal continuous positive airway pressure. *Arch Dis Child Fetal Neonatal Ed* 2005;90:F79–F81.