

# Sleep Publications featuring Sentec's Transcutaneous Monitoring System



At Sentec, we believe research and clinical evidence is a critical component to building effective noninvasive technology. Below is a library of published research for you to explore that highlights the impact our Transcutaneous Monitoring System (TCM) can have when providing less invasive sleep care.

**Adult** | Pediatric & Neonatal



Viau, F. (2013). Monitoring de la PCO<sub>2</sub> transcutanée en médecine du sommeil. *J.msom*, 10(4), 171-177.



Stagnara, A., et al. (2010). Enregistrement du Sommeil Chez les Ados Obèses: le Programme Equilibre à la Maisonnée. In *Congrès de Pneumologie de Langue Francaise (CPLF) in Marseille*.



Storre, J. H., et al. (2010). Advantages of transcutaneous PCO<sub>2</sub> monitoring over PaCO<sub>2</sub> in chronic respiratory failure (CRF). In *European Respiratory Society, Annual Meeting*.



Chung, V., et al. (2007). Obstructive Sleep Apnea in the PACU Following Bariatric Surgery. In *American Society for Bariatric Surgery, Annual Meeting*.



Chhajed, P. N., et al. (2004). Comparison of Cutaneous Carbon Dioxide Tension and Oxygen Saturation Measurements Using A New Combined Digital Sensor with Arterial Blood Gas Values. In *American Association for Respiratory Care, Annual Meeting*.



Chhajed, P. N., et al. (2004). Comparison of Cutaneous Carbon Dioxide Tension and Oxygen Saturation Measurements Using A New Combined Digital Sensor with Arterial Blood Gas Values. In *American Thoracic Society, Annual Meeting*.

## Adult | **Pediatric & Neonatal**



Shi, J., Chiang, et al. (2020). The Diagnostic Accuracy and Reliability of Transcutaneous Carbon Dioxide Monitoring at Home for Nocturnal Hypoventilation Screening in Children with Neuromuscular Disease.



Fauoux, B., et al. (2009). Carbon Dioxide Monitoring During Long Term Noninvasive Ventilation in Children. In *Am J Respir Crit Care Med* (Vol. 179, A3046).



Krivec, U., et al. (2009). Nocturnal Hypoventilation is Associated With Poor Sleep Quality and Increased Pulse Rate Variability in Children. In *European Respiratory Society, Annual Meeting*.



Paiva, R., et al. (2009). Carbon Dioxide Monitoring During Long Term Noninvasive Respiratory Support in Children. In *European Respiratory Society, Annual Meeting*.



David, T., & Stagnara, A. (2006). Reproducibility of PtcCO<sub>2</sub> in Pediatrics. In *European Respiratory Care Association Congress*.