

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



Mycroft, K., et. al. (2021). Complex home assessment of long-term non-invasive ventilation efficacy using transcutaneous monitoring of PCO₂ and polygraphy – A feasibility study. *Advances in Medical Sciences*, 66(1), 105-112.



Duiverman, M. L., et al. (2020). Home initiation of chronic non-invasive ventilation in COPD patients with chronic hypercapnic respiratory failure: a randomised controlled trial. *Thorax*, 75(3), 244-252.



Storre, J. H., et al. (2018). Home noninvasive ventilatory support for patients with chronic obstructive pulmonary disease: patient selection and perspectives. *International journal of chronic obstructive pulmonary disease*, 13, 753-760.



Schwarz, S. B., et al. (2018). Is Outpatient Control of Long-Term Non-Invasive Ventilation Feasible in Chronic Obstructive Pulmonary Disease Patients? *Respiration*, 95(3), 154-160.



Chhajed, P. N., et al. (2016). Utility of Transcutaneous Capnography for Optimization of Non-Invasive Ventilation Pressures. *JCDR, Vol-10 (9)* (September), OC06-OC09.



Aarrestad, S., et al. (2016). Validity of transcutaneous PCO₂ in monitoring chronic hypoventilation treated with non-invasive ventilation. *Respir Med*, 112, 112-118.



Viau, F. (2013). Monitoring de la PCO₂ transcutanée en médecine du sommeil. *J.msom*, 10(4), 171-177.

Adult | Pediatric & Neonatal



Dicembrino, M., et al. (2021). End-tidal CO₂ and transcutaneous CO₂: Are we ready to replace arterial CO₂ in awake children? *Pediatric Pulmonology*, 56, 486–494.



Shi, J., et al. (2020). The Diagnostic Accuracy and Reliability of Transcutaneous Carbon Dioxide Monitoring at Home for Nocturnal Hypoventilation Screening in Children with Neuromuscular Disease. *Respiratory Care*, 158(4).

