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A transcutaneous carbon dioxide monitor is a useful tool with known caveats

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Although transcutaneous carbon dioxide measurement cannot completely replace conventional blood gas analysis, transcutaneous carbon dioxide sensors could be used in patients with variable levels of hypercapnia also in an acute setting <http://bit.ly/2kliEXx>

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To the Editor:

We have read with great interest the article by MUMMERY *et al.* [1] on the use of transcutaneous carbon dioxide tension (P_{tcCO_2}) as a means of measuring carbon dioxide in the acute, unselected medical setting. The authors compared the results of gold standard arterial blood gas analysis sampling with values of P_{tcCO_2} measured by Resmed SenTec monitor (SenTec AG, Therwil, Switzerland) in 50 patients admitted to hospital for different diseases, including respiratory problems, non-respiratory sepsis, cardiovascular diseases and other medical diagnoses.