Tissue-To-End-Tidal Co2 Monitor

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TECHNOLOGY DESCRIPTION

In the emergency room situation, mean arterial blood pressure and measures of acidosis are currently used to quantify perfusion in patients requiring resuscitation from shock. Unfortunately, these measures do not provide for early diagnosis or real time responses to therapy. The inventor has demonstrated, in a clinical trial of 168 patients, that measuring the partial pressure of carbon dioxide from an arterial blood sample (PaCO2) to that measured at the end of expired breath or end-tidal CO2 (PetCO2) was more accurate than the base deficit in reflecting the clinical course of a patient in real time with no latent period. In addition, the gradient observed between PaCO2-PetCO2 was smoother with less random variability than currently used measures.

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OTHER INFORMATION

KEYWORDS

co2 monitor, medical devices, resusictation

CATEGORIZED AS

- **Medical**
  - Devices

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