

Masimo SET® Pulse Oximetry Bibliography

In 1989, Masimo invented Signal Extraction Pulse Oximetry, which enables the use of adaptive filter and parallel engine technology to extract the arterial signal from noise. In 1998, Masimo unveiled this breakthrough technology to the world; the first pulse oximetry technology with FDA clearance for motion accuracy claims. And in June 1999, Masimo SET became the first to receive FDA 510(K) clearance with indications for use during motion and low perfusion conditions on all patients.

Prior to the introduction of Masimo SET, pulse oximeters could only be relied upon for accurate measurement during ideal conditions. Today, after 7 years of clinical research, over 50 published clinical studies have shown that Masimo SET reliably and continuously tracks changes in arterial oxygen saturation and pulse rate during motion and low perfusion on all patients in all settings; giving clinicians accurate monitoring when they need it most.

These published studies have concluded that Masimo SET is significantly better than all other pulse oximetry and the only one delivering on the promise of accurate monitoring during motion and low perfusion. Forty of these studies have been summarized in this bibliography.

Guide to Study Content

Study No.	Motion	Low Perfusion	Alarms	Perioperative/ Critical Care	Neonatal	Accuracy	Cost	Sleep	Fidelity
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Guide to Study Content (continued)

Study No.	Motion	Low Perfusion	Alarms	Perioperative/ Critical Care	Neonatal	Accuracy	Cost	Sleep	Fidelity
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44		•		•					
45					•				

 Award winning Publication, Study or Presentation.