

The Effect of Skin Pigmentation on the Accuracy of Pulse Oximetry in Infants with Hypoxemia.

J Pediatr. 2017 Mar;182:375-377.e2. doi: 10.1016/j.jpeds.2016.11.043. Epub 2016

Dec 9.

Foglia EE(1), Whyte RK(2), Chaudhary A(3), Mott A(4), Chen J(5), Probert KJ(6), Schmidt B(7).

To compare pulse oximetry measurement bias between infants with hypoxemia with either dark skin or light skin with Masimo Radical 7 and Nellcor Oximax. There was no significant difference in systematic bias based on skin pigment for either oximeter.