

Pulse oximetry in preterm infants

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Abstract

One hundred and twenty five measurements of arterial oxygen saturation (Stcao2) obtained with a transcutaneous pulse oximeter were compared with direct arterial oxygen tension (Pao2) in 13 preterm infants with predominantly fetal haemoglobin. Stcao2 of 86-92% corresponded to Pao2 of 5-13 kPa. Stcao2 above 92% , however, was sometimes associated with Pao2 above 13 kPa