
An Evaluation of Pulse Oximeters in Dogs, Cats and Horses

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Conclusions & Clinical Relevance: [Nellcor (various models) vs. Surgi-Vet V3304] “Accuracy and failure rates (failure to produce a reading) varied widely from model to model and from species to species. Generally, among the models tested in the clinically relevant range (90-100%) RMSD [accuracy] ranged from 2-5%...When the V3304 gave readings, they were reasonably accurate, but the monitor failed to produce readings 20% of the time in dogs, 30% of the time in cats and 60% of the time in horses, which was much higher than for other monitors.”