Evaluation of accuracy of novel pulse oximeter probe compared to commercial multiparameter monitor in horses

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Physiological monitoring is part of clinical veterinary practice to assess the animal’s physical status, including oxygenation. However, after decades of animal model design horses’ blood oxygenation is still assessed through arterial blood gas (ABG) analyses. This research aims to test the accuracy of a novel pulse oximeter probe in horses. Clinical Relevance: Developing a novel pulse oximeter for horses may improve monitoring of saturation and oxygenation during anesthesia, which will ultimately improve the safety of general anesthesia for horses.