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Different Cloprostenol Doses Impact Mare Pregnancy Outcomes

In this study out of Rood & Riddle Equine Hospital, in Lexington, Kentucky, researchers grouped Thoroughbred mares by follicle size at the time of cloprostenol (a prostaglandin analog) injection to induce estrus. The veterinarians administered deslorelin (a GnRH analog to induce ovulation) to all study mares to synchronize their ovulation. The team determined that fertility decreased (to 50% pregnancy rate) in mares with large follicles when injected with cloprostenol to induce estrus for breeding.

"So, while the previous study demonstrated reduced pregnancy rates in mares returning to estrus in a shorter period after prostaglandin administration, this paper describes reduced pregnancy rates in mares administered prostaglandin when they have larger (< 30 mm) follicles present," said Blanchard.