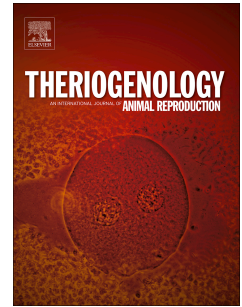


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Effect of side of the corpus luteum and pregnancy on estrogen and progesterone receptor expression and localization in the endometrium of mares.

Side of the corpus luteum and pregnancy affect steroid receptors

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Abstract

The effect of side of corpus luteum on uterine gene expression and protein localization of estrogen receptor α (ER α) and progesterone receptor (PR) in healthy cyclic and pregnant mares 13 days after ovulation (day 0) was investigated. Transcervical biopsies were performed to collect endometrium ipsilateral and contralateral regarding the side of corpus luteum on day 13 post-ovulation in cyclic (n=6) and pregnant (n=6) mares. Blood samples were collected daily from day 0 until the day of biopsy for 17 β -estradiol (E2) and progesterone (P4) determinations. Receptor expression was determined by immunohistochemistry and transcript expression by real time RT-PCR. Serum E2 and

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