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Endometrial expression of estrogen and progesterone receptors in non-cyclic mares treated only with long-acting progesterone

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1 **Endometrial expression of estrogen and progesterone receptors in non-cyclic**
2 **mares treated only with long-acting progesterone**

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21 **ABSTRACT**

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23 Administration of progesterone (P4) after estradiol is usually performed to prepare non-
24 cyclic mares as embryo recipients. However, there are successful pregnancy reports
25 after embryo transfer in non-cyclic mares treated only with progestins. The objective of
26 this study was to evaluate endometrial gene expression and immunostaining for
27 estrogen receptor alpha (ER α), beta (ER β) and progesterone receptor (PR) in seasonal
28 anestrus mares treated with long acting P4 (LA P4). Endometrial tissue from eight
29 seasonal anestrus mares was collected immediately before administration of 1.5 g of
30 LA P4 and five days after. The receptors protein expression was evaluated by
31 immunohistochemistry and the percentage of the immunostained area was determined

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