

## Parturition



## Group allocation (metritis, healthy)

**days 4 to 21 after parturition:**  
(three times a week)

- transrectal uterine palpation with assessment of uterine involution until day 21 after parturition
- examination of uterine discharge released from the vulva during transrectal examination

**days 4, 8, 11 after parturition:**

- vaginoscopy

## Experimental design cyclic CL

(Time schedule of examinations)

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| <b>1<sup>st</sup> cycle</b> | <b>diestrus<sup>a,*</sup></b> | <ul style="list-style-type: none"><li>• determination of luteal size</li><li>• blood sample</li></ul> |
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| <b>2<sup>nd</sup> cycle</b> | <b>estrus</b>                 | <ul style="list-style-type: none"><li>• endometrial biopsy</li></ul>                                                          |
|                             | <b>diestrus<sup>a,*</sup></b> | <ul style="list-style-type: none"><li>• determination of luteal size</li><li>• blood sample</li><li>• luteal biopsy</li></ul> |
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| <b>3<sup>rd</sup> cycle</b> | <b>estrus</b>               | <ul style="list-style-type: none"><li>• endometrial biopsy</li></ul> |
|                             | <b>diestrus<sup>*</sup></b> |                                                                      |
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| <b>4<sup>th</sup> cycle</b> | <b>diestrus<sup>a,*</sup></b> | <ul style="list-style-type: none"><li>• determination of luteal size</li><li>• blood sample</li><li>• luteal biopsy</li></ul> |
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## Experimental design persistent CL

(Time schedule of examinations)

**in case of a persistent CL<sup>b</sup>:**

(no signs of luteolysis at the end of cycle)

- determination of luteal size
- blood sample
- luteal biopsy
- application of cloprostenol

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**following diestrus<sup>a</sup>**  
(of the induced cycle)

- determination of luteal size
  - blood sample
  - luteal biopsy
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<sup>a</sup> once between day 9 and 13 of cycle

<sup>b</sup> once between day 29 and 33 of cycle

\* in case of a persistent CL → *Experimental design persistent CL*