PRACTICAL OBSTETRICS

-5th Stage

Pregnancy diagnosis in MARES

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Pregnancy diagnosis in The **mare**

1-Managmenatal methods : Estrus determination /failure of estrus(Days 16 to 24)

<u>Disadvantage:</u>

- pregnant mare can show estrus signs /5 to 10%.
-non-pregnant mares: fail to show estrus /silent heat, pseudopregnancy.

2-Clinical M.

2-1- *Vaginal Exam.*

pale m.m, blanched, cervix small and tightly closed, firm, covered by scant and sticky mucous secretion .

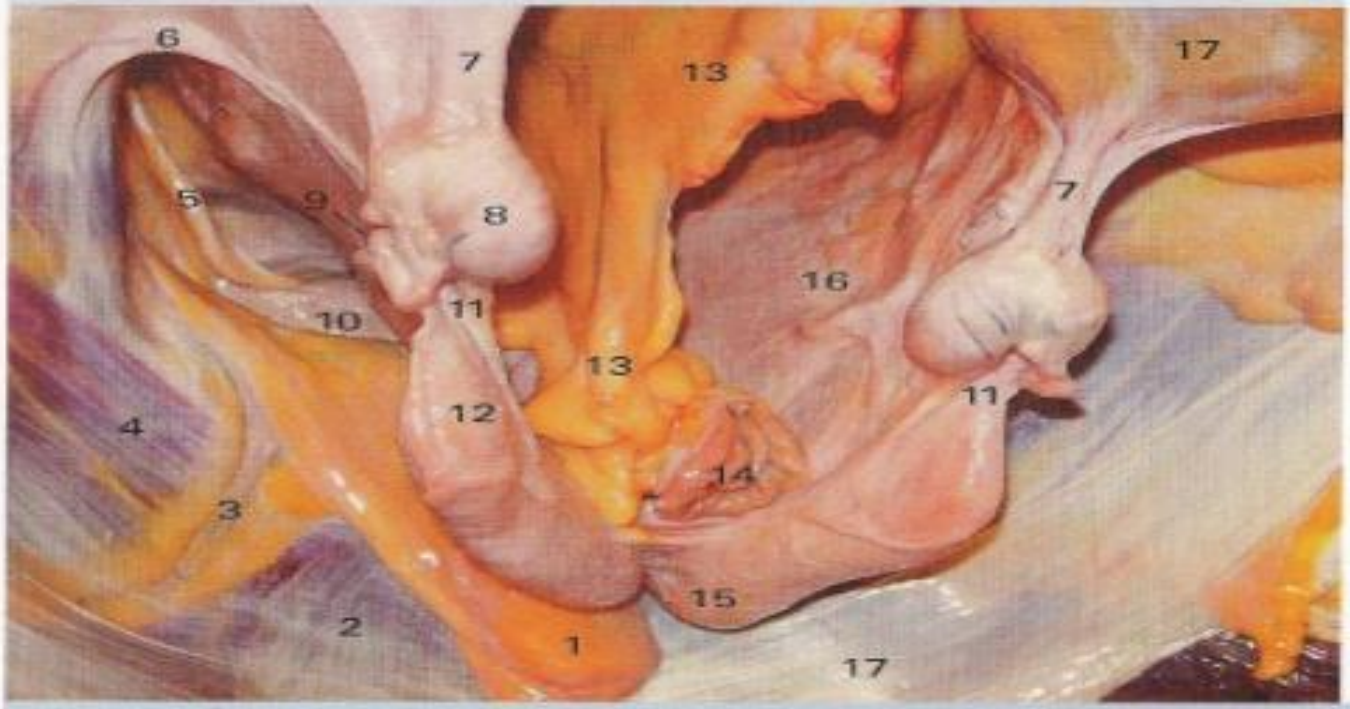
Vaginoscope or Speculum examination

2-2-RECTAL PALPATION:

DAYS 15 - 18
UTERINE AND CERVICAL TONE: GOOD TO EXCELLENT TURGID TONE: GOOD INDICATOR BEFORE BULGE.

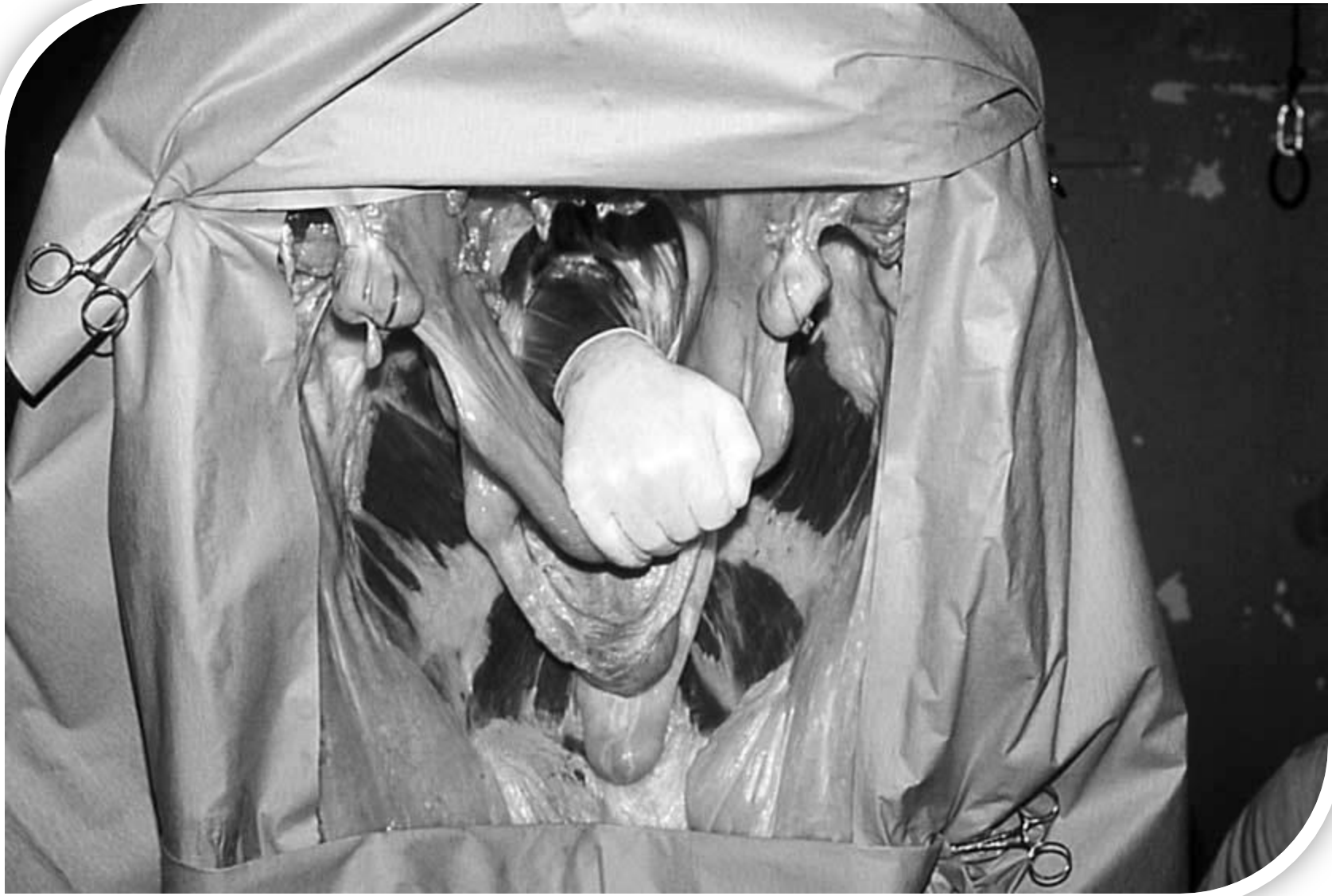
DAY 30:
FETAL-FLUID BULGE (DISCRETE FLUID SWELLING AT CORPUS CORNUAL JUNCTION) CRANIO-VENTRAL PORTION.

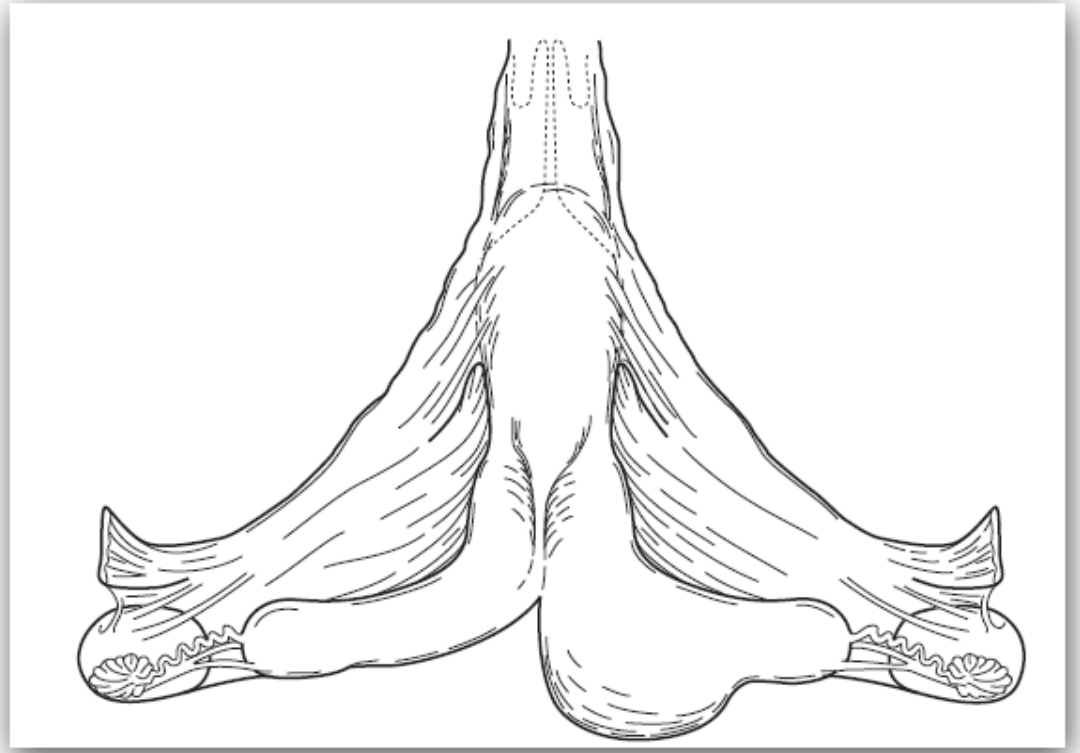
7.57 • The female reproductive tract, and related structures, suspended from the abdominal and pelvic roof. The animal in the standing position. The intestines have been removed with the exception of the terminal part of the descending colon. The observer is looking caudally and a little to the left.

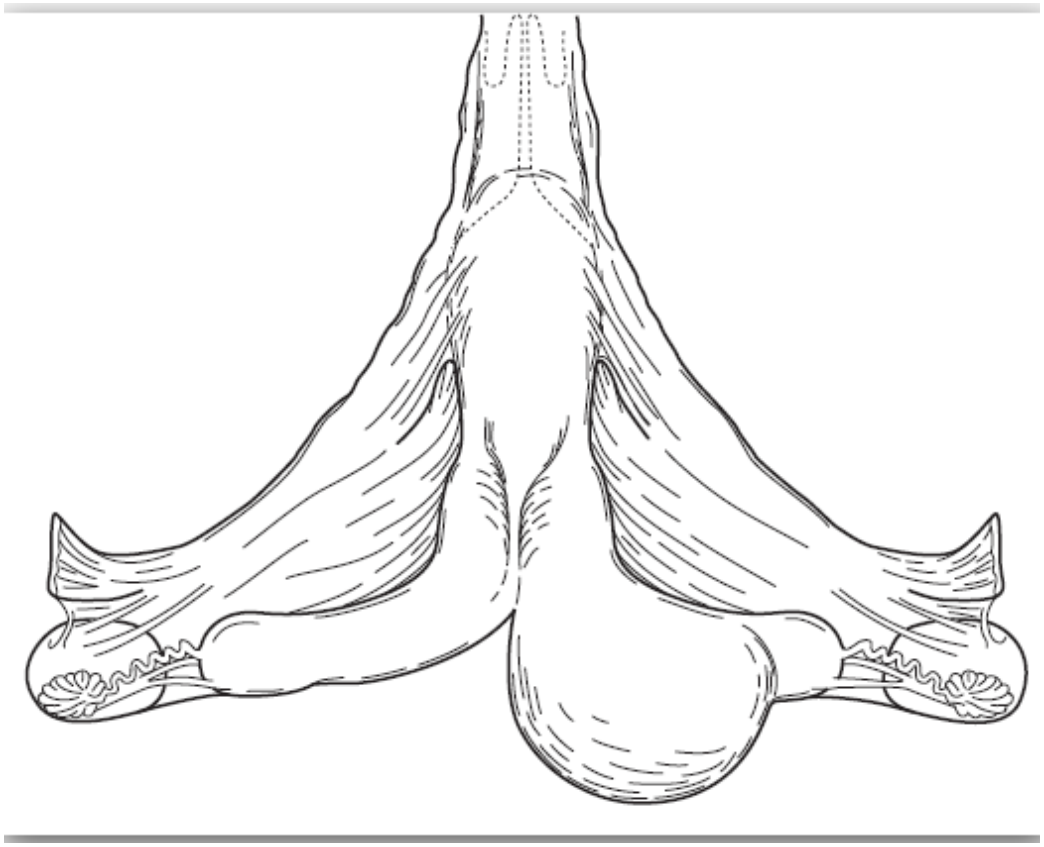


Mare

1 Fat lying in the ventral ligament of the bladder
2 M. rectus abdominis seen through the transverse fascia
3 Caudal epigastric vessels
4 M. obliquus internus abdominis
5 Round ligament of the bladder lying in the cranial border of the lateral ligament of the bladder
6 Round ligament of the uterus
7 Suspensory ligament of the ovary
8 Right ovary
9 Uterine tube (oviduct)
10 Apex of the bladder
11 Proper ligament of the ovary
12 Tip of the right uterine horn
13 Mesocolon
14 Cut descending colon
15 Base of the left uterine horn
16 Left broad ligament of the uterus
17 Transverse fascia







41day

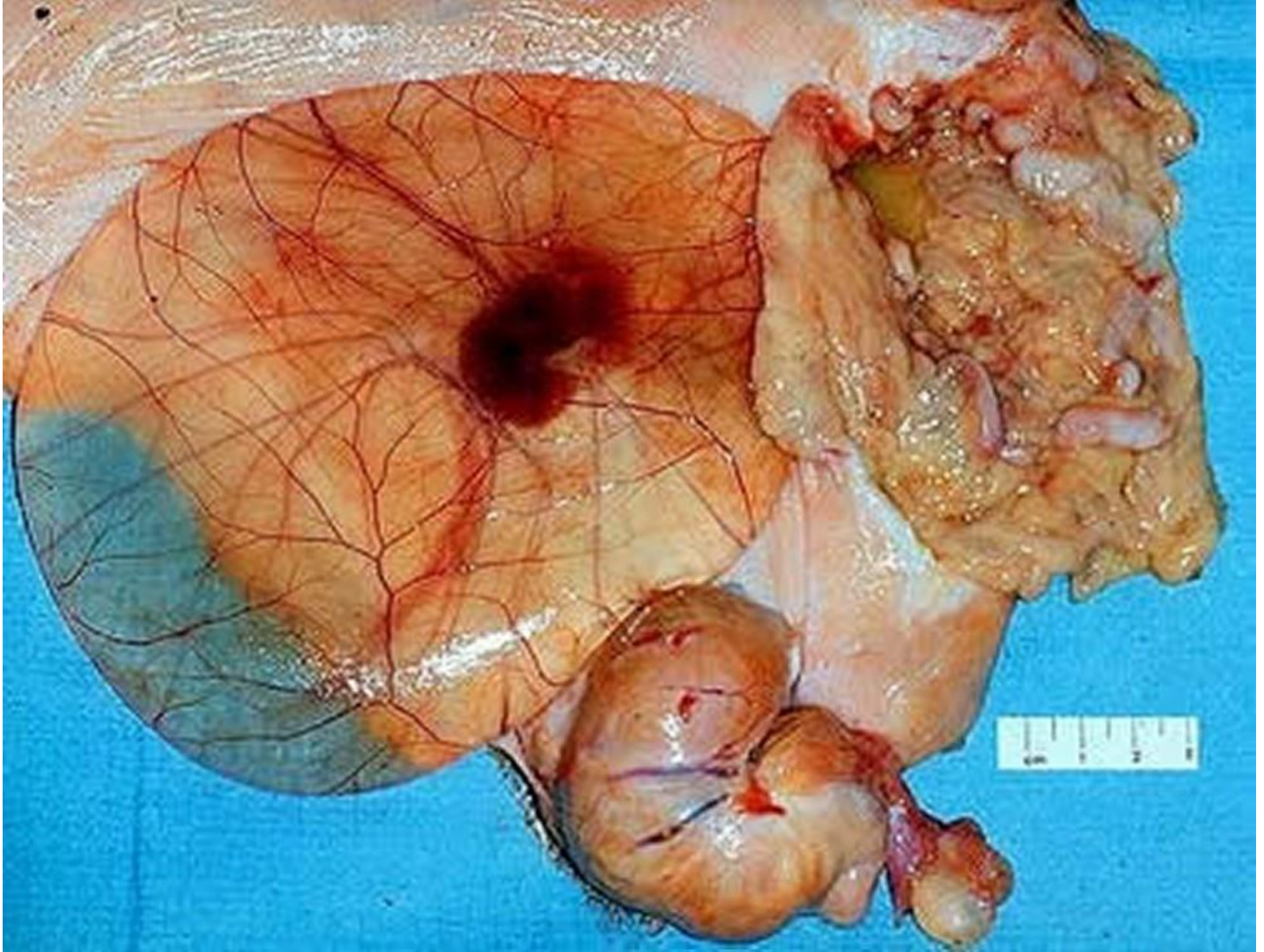


Fig. 2.73: Embryonic vesicle with embryo (E) from a cow on Day 26 of gestation (removed from the uterine lumen). The allantochorionic vesicle stretches thread like from the tip of one uterine horn to the other. In the pregnant horn the increase in embryonic fluid leads to an enlargement in the transverse diameter of the vesicle.

2-3.Trans-rectal ultrasonography (5 - 7.5 MHz transducer)

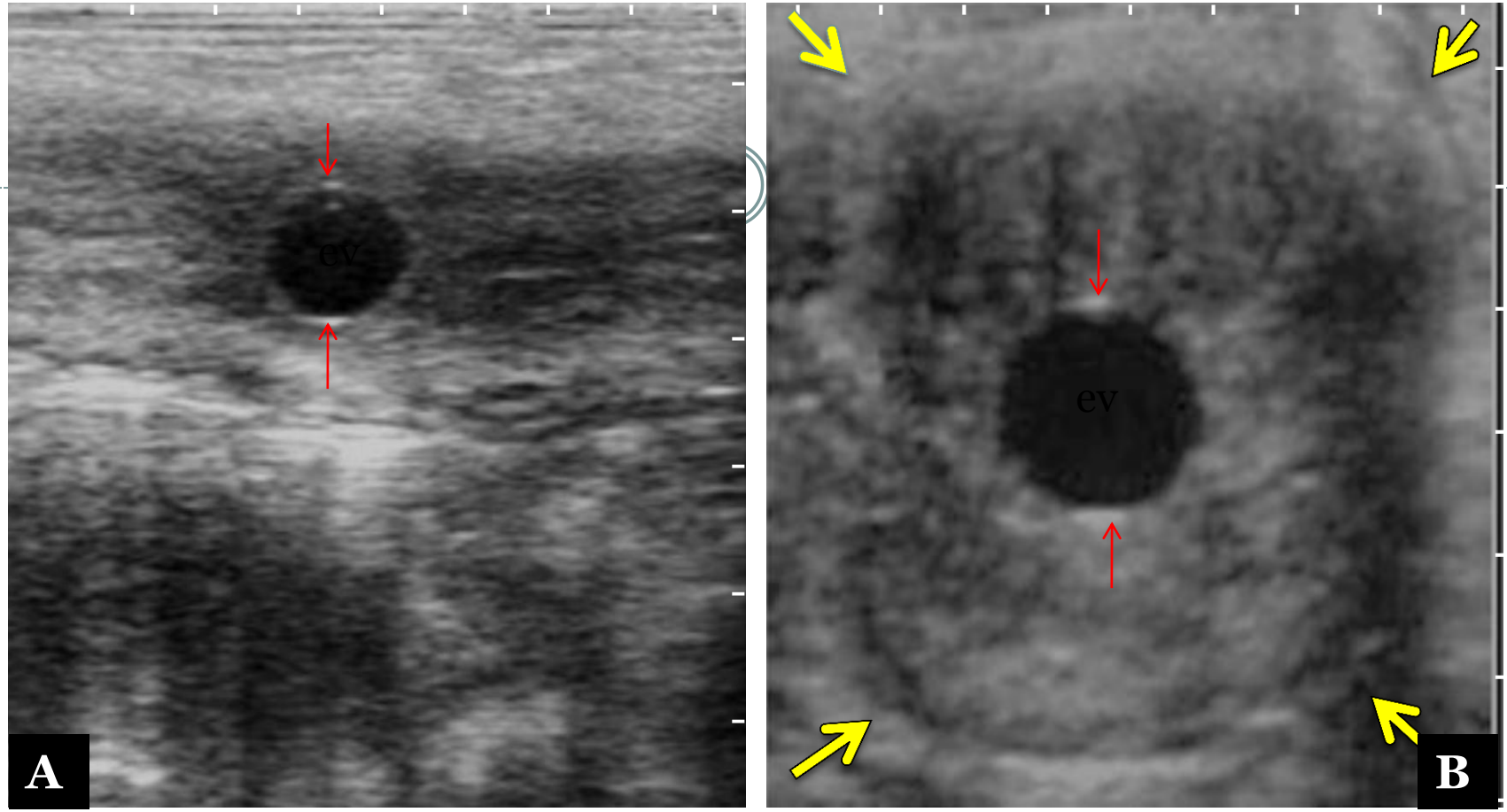
Days 11 - 12: 10 -12 mm

Days 20 - 23: embryo

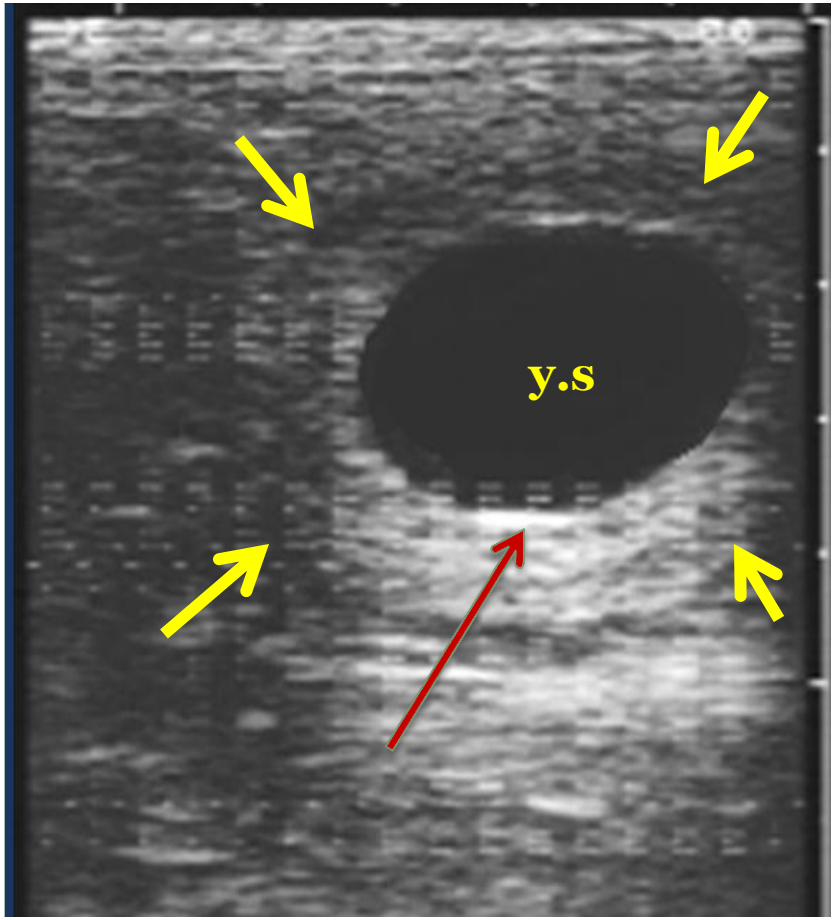
Day 24: heart beat

Day 24:allantois

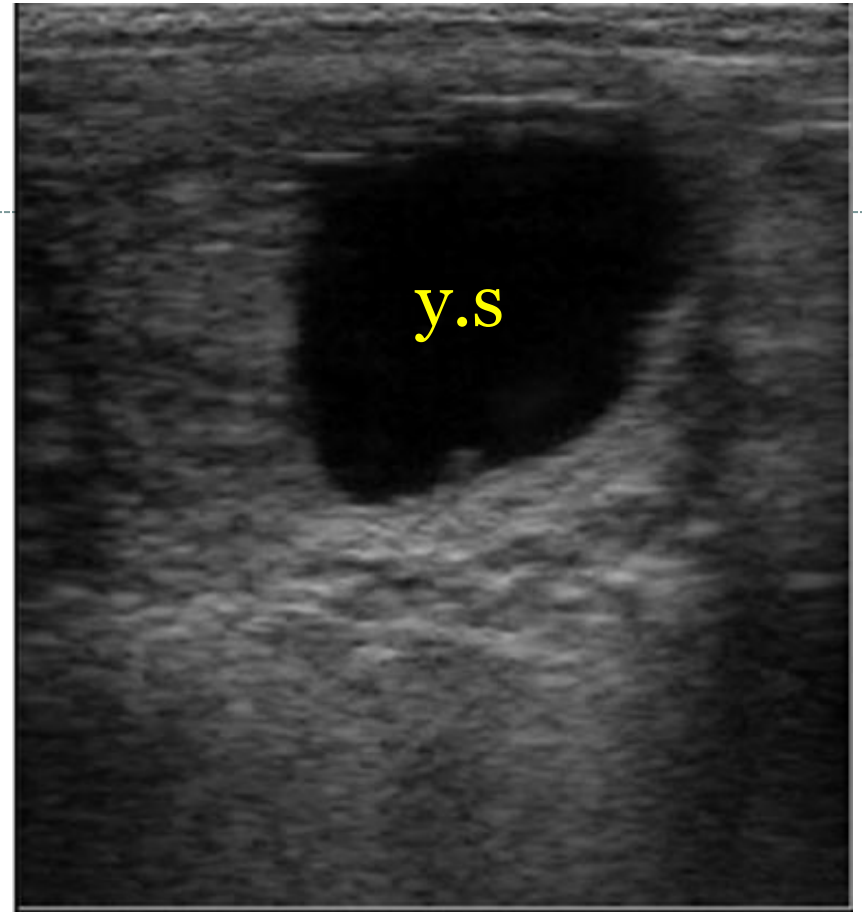
: Prominent spoke-wheel pattern of the uterus during
Arrows indicate the peritoneal border of the uterus.



Embryonic Vesicle at day (A) and at day (B).



Embryonic vesicle at 18 day



Embryonic vesicle at 21day

30day of pregnancy in mare

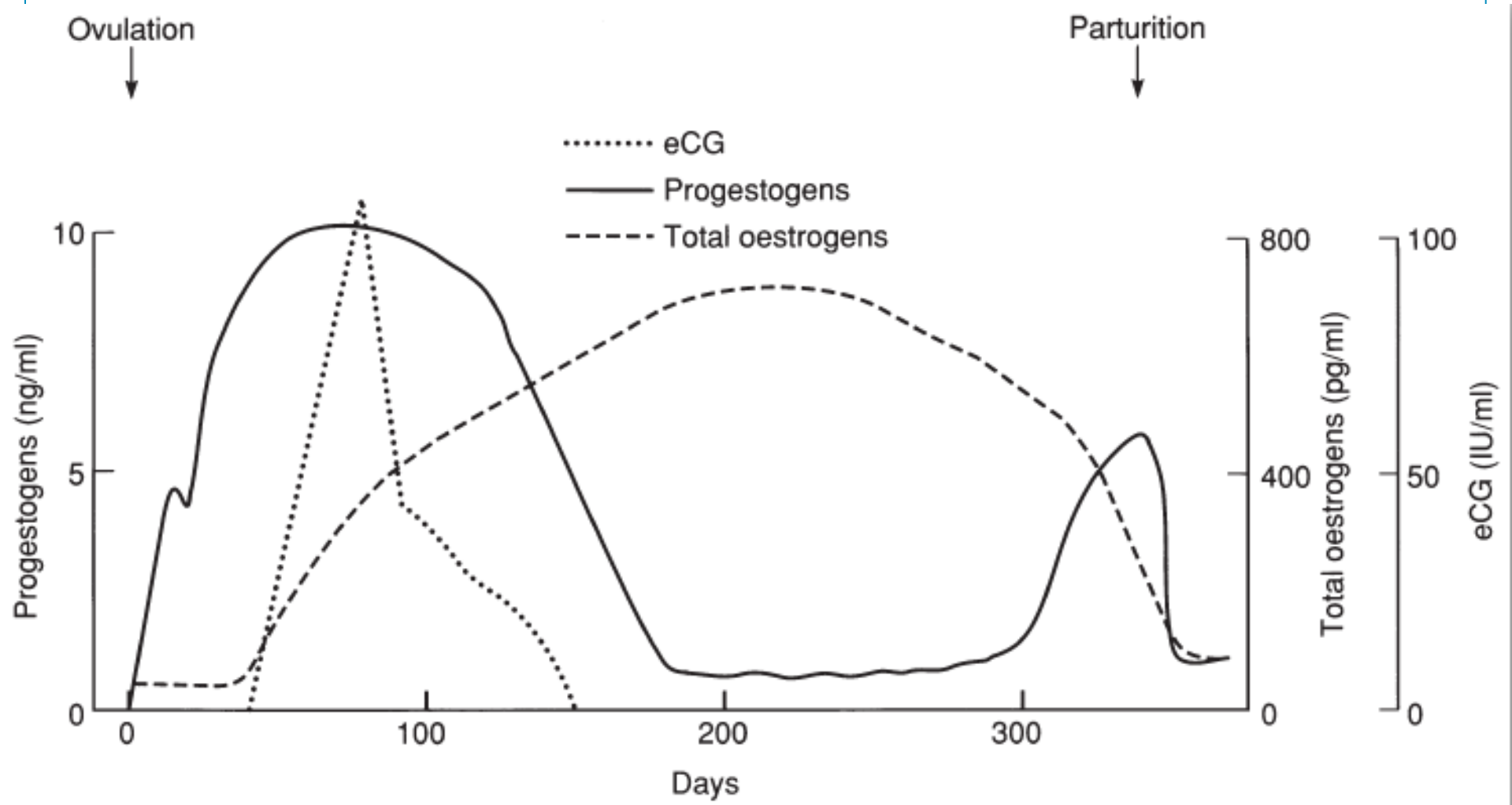


Fig. 3.1 Schematic representation of the trends in hormone concentrations in the peripheral circulation of the mare during pregnancy and at parturition; eCG, equine chorionic gonadotrophin.