

Practical lectures of female fertility

lecture 2

By

Dr. Wafer M. Salih

Dr. Sadeq J. Zalzala

Dr. Haydar A. AL-mutar

Dr. Ahmed M. Zakri

Cervix : it is thick-walled and inelastic , the interior end being continuous with the body of uterus while the posterior end protrude into the vagina . It contains a canal which is the opening into the uterus .

Ovary

Oviduct

Cervix

Bladder

Vulva

Uterine Horn

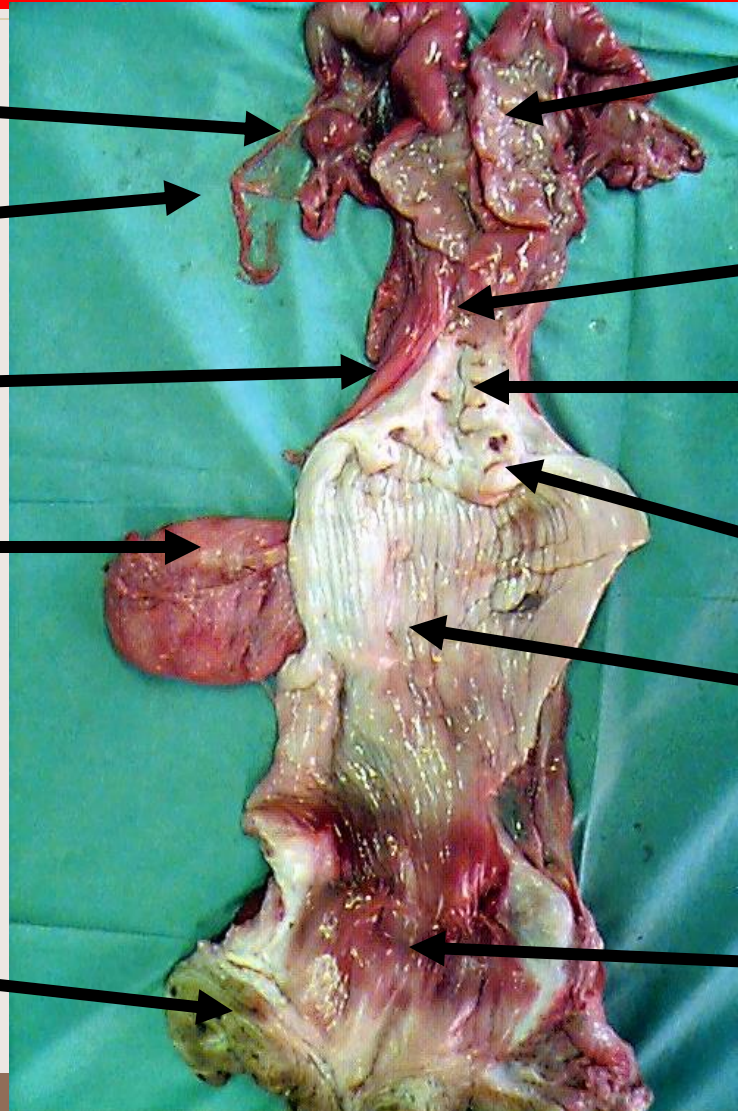
Uterine Body

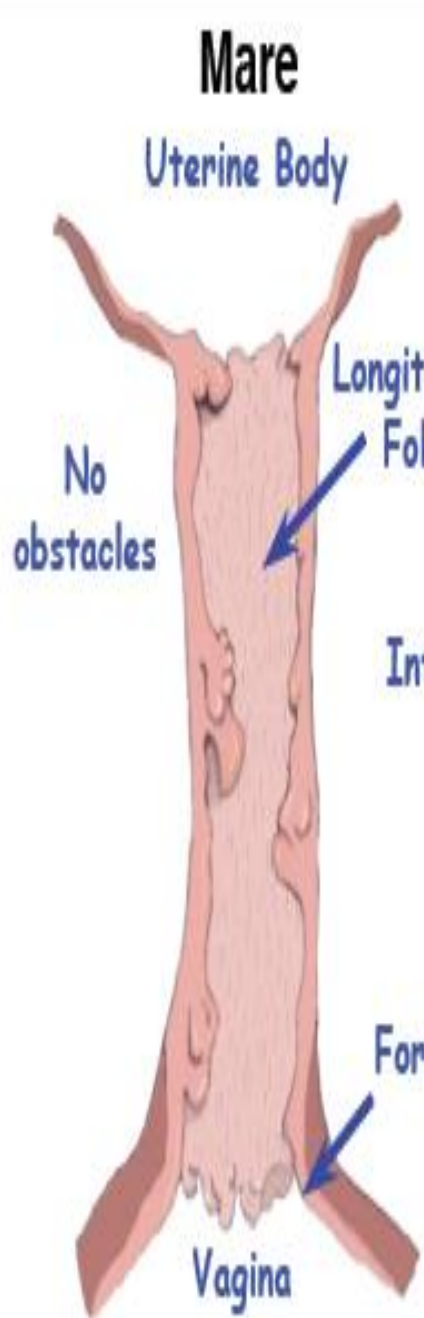
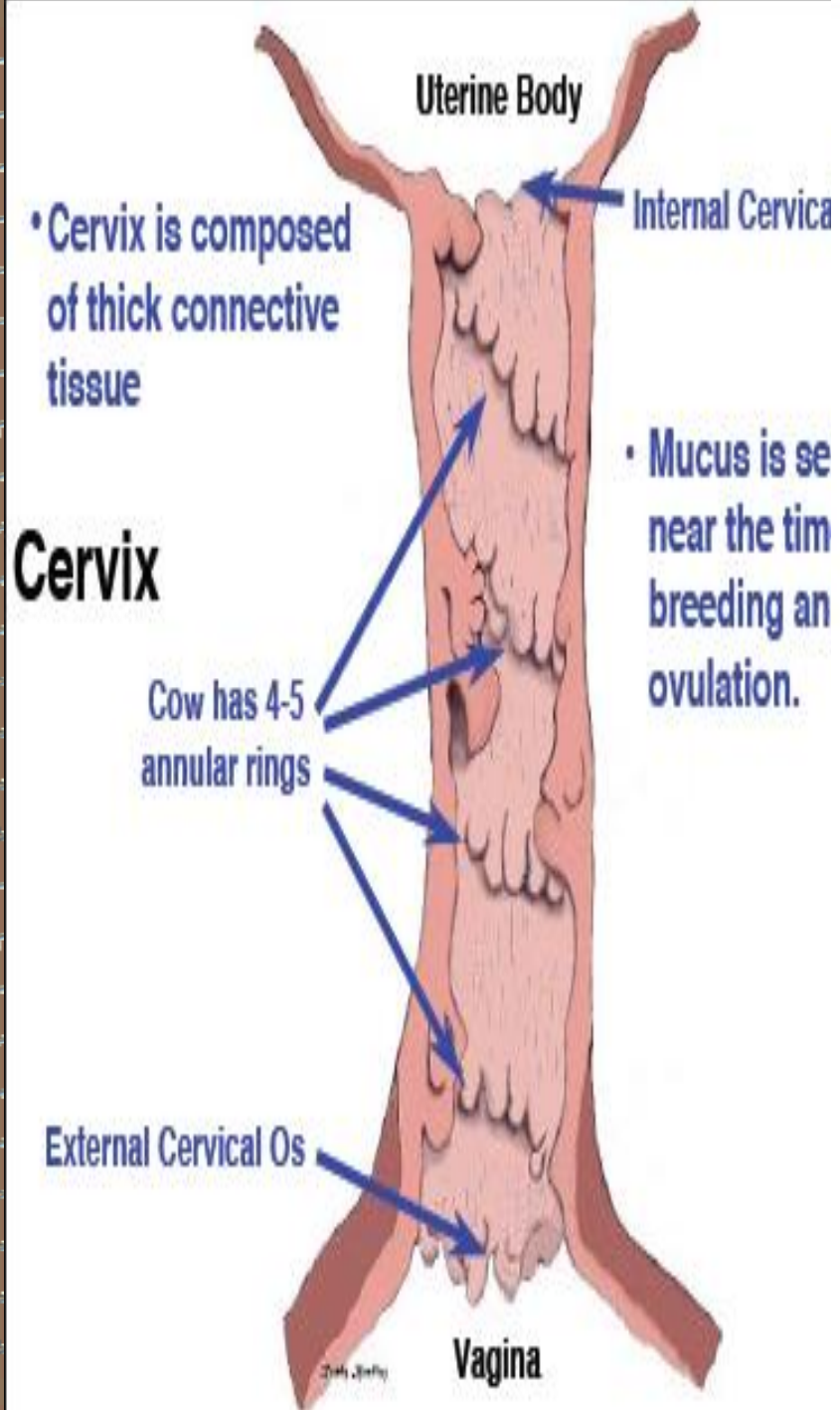
Cervical Rings

Fornix Vagina

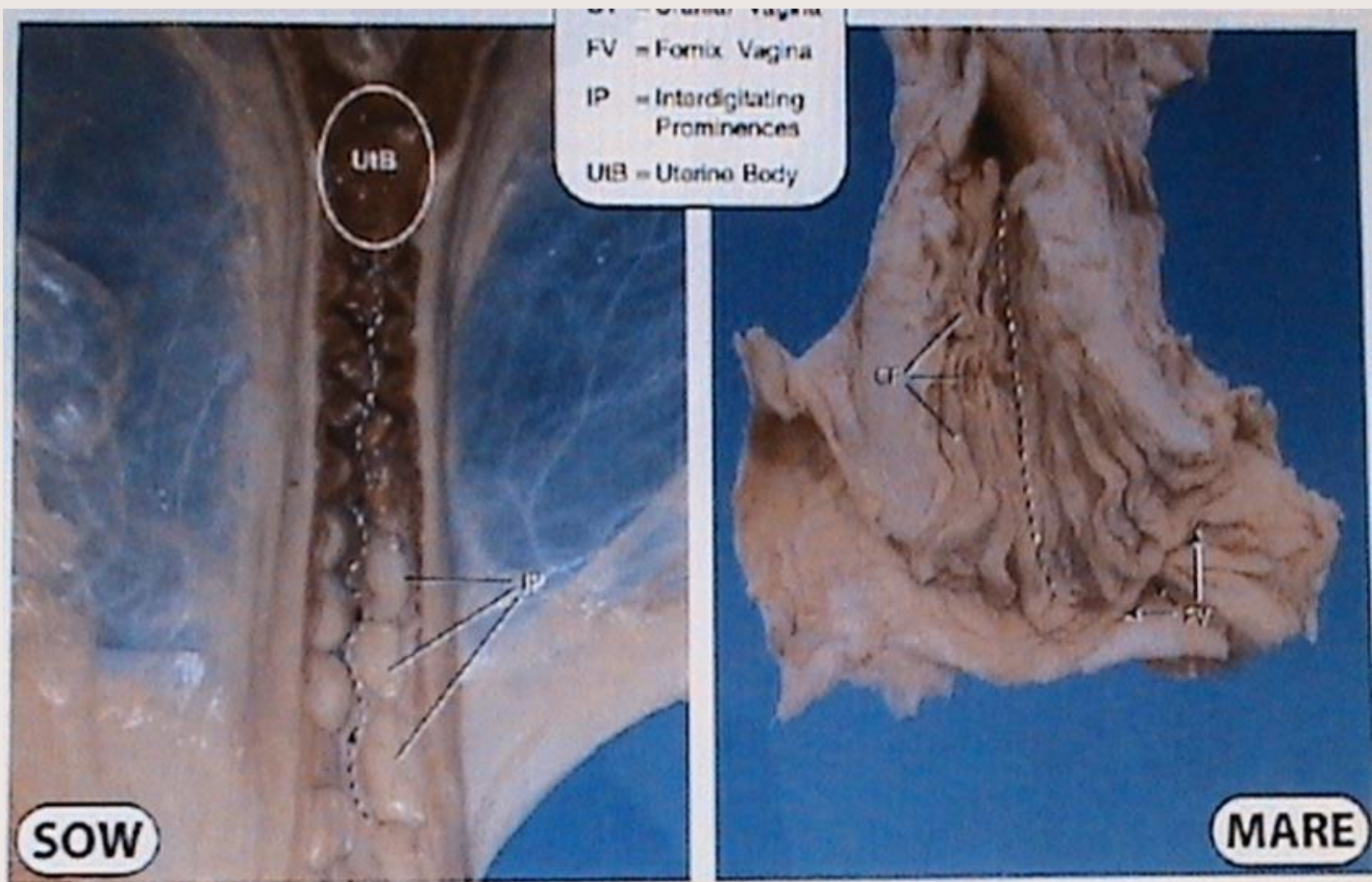
Vagina

Vestibule

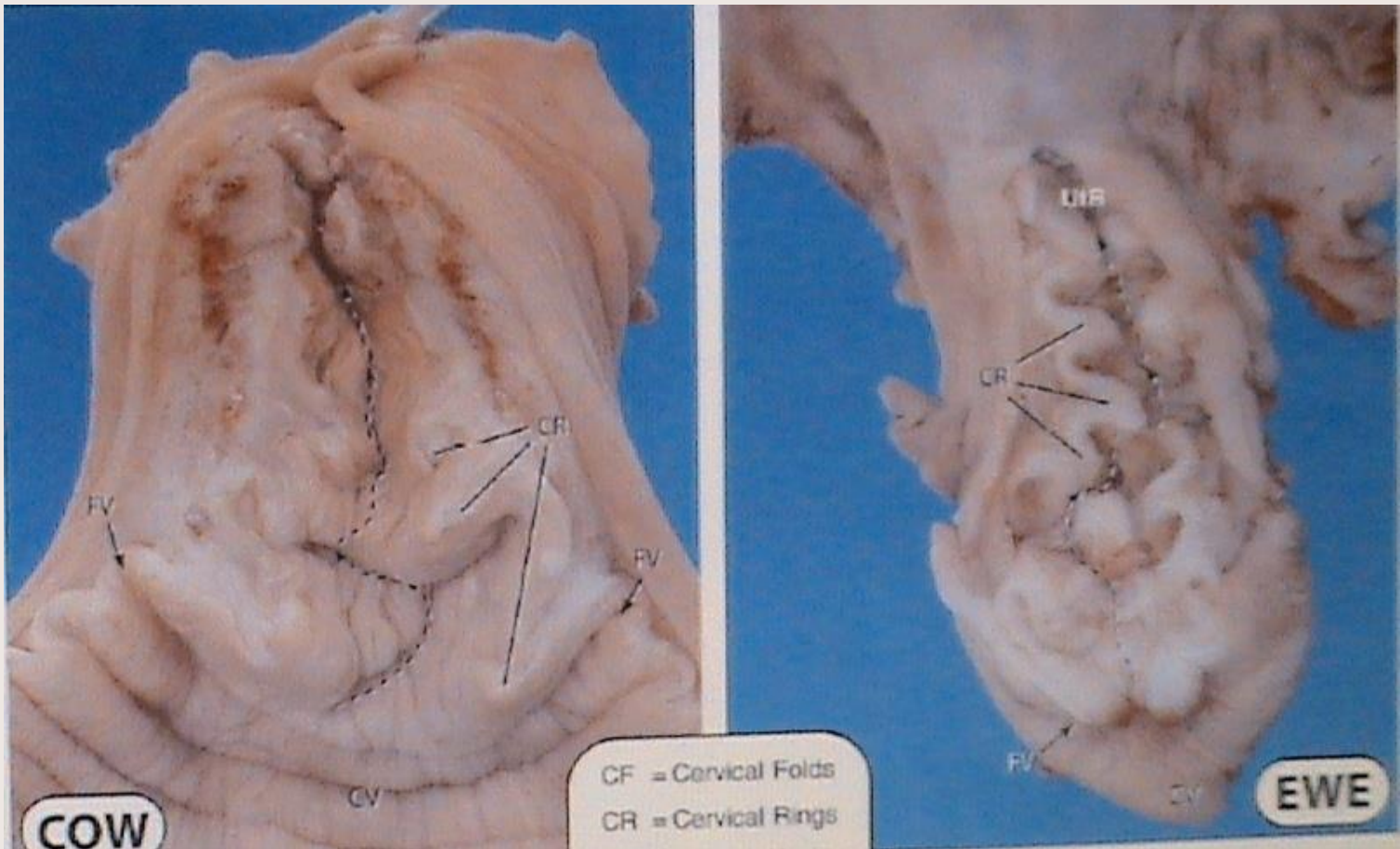


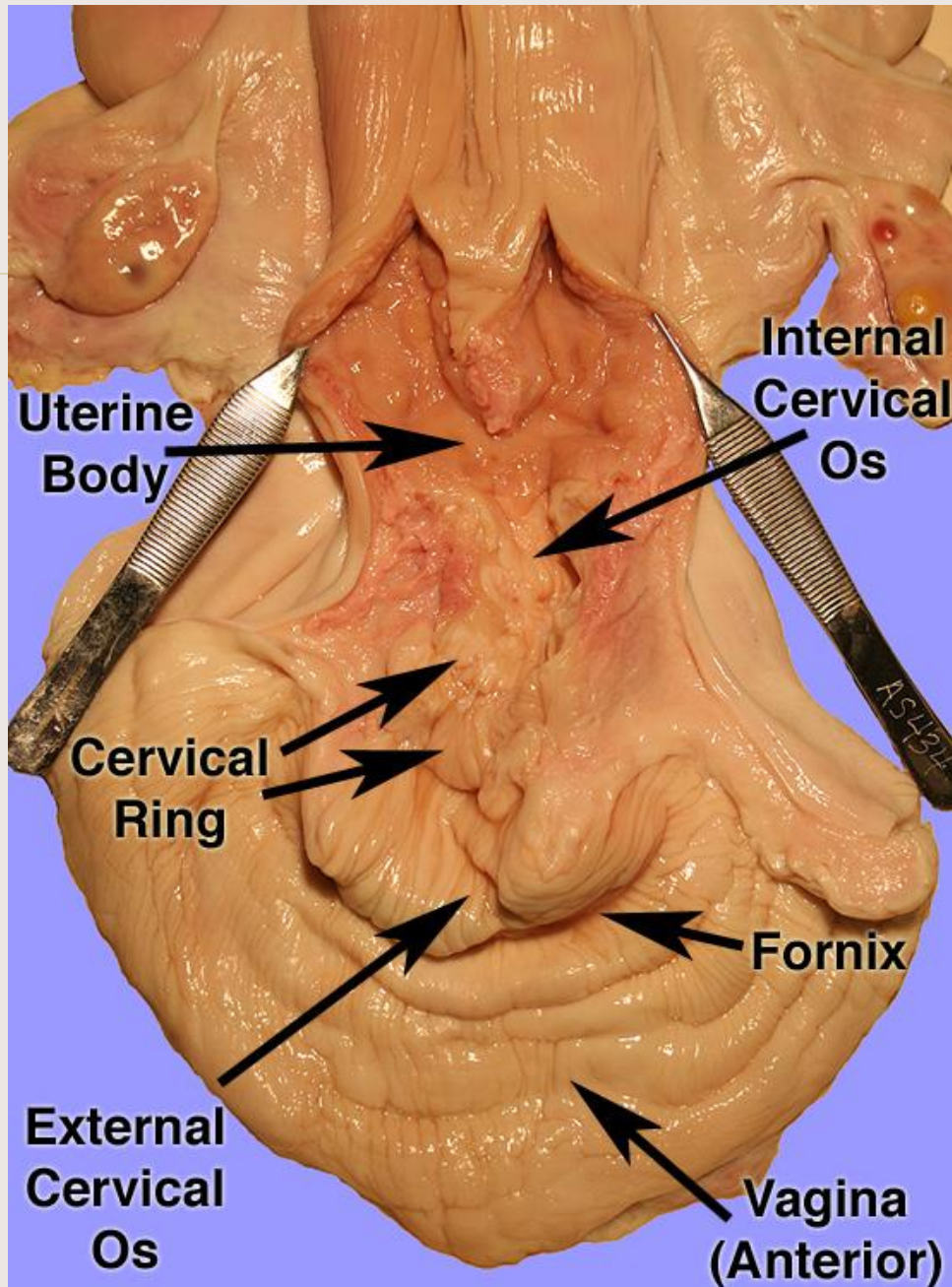


Shape cervix in different species animals



Shape cervix in different species animals





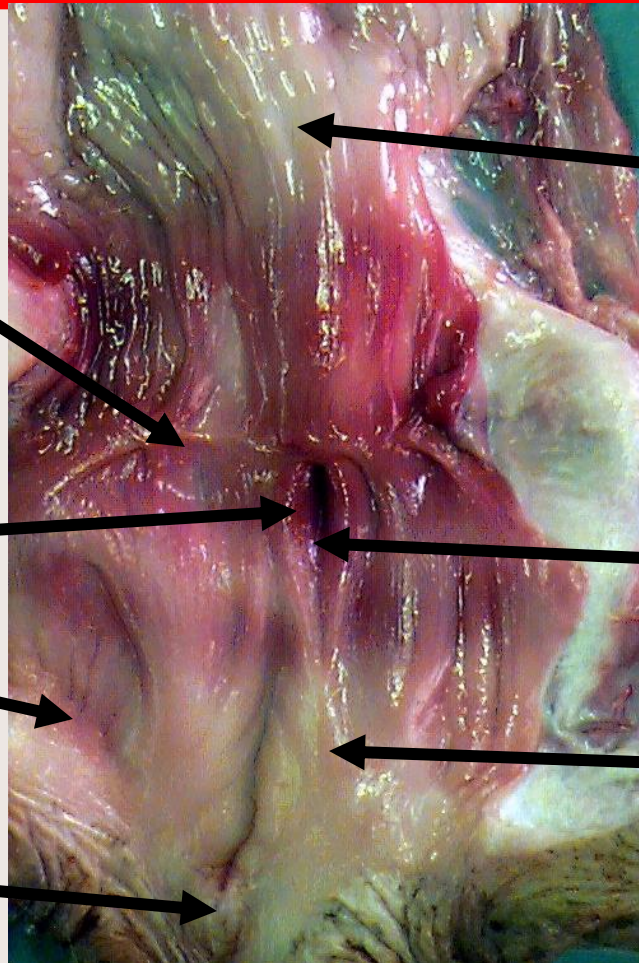
Functions of the Cervix

- Transport of sperm
- Barrier to sperm (species dependent)
- Reservoir for sperm
- Blocking bacterial invasion during pregnancy
- Birth canal

Vagina

- Its tubular parts in shape , thin-walled and quite elastic connect between cervix and vestibule
- Function :
- 1-semen is deposited in to anterior end near the cervix in cow , ewe , doe
- 2- female organ copulation
- 3-Site for expulsion of urine
- 4-passive birth canal during parturition

Vagina-Urethra-Vestibule



**Vulvo-Vaginal
Sphincter Muscle**

Vagina

Urethra

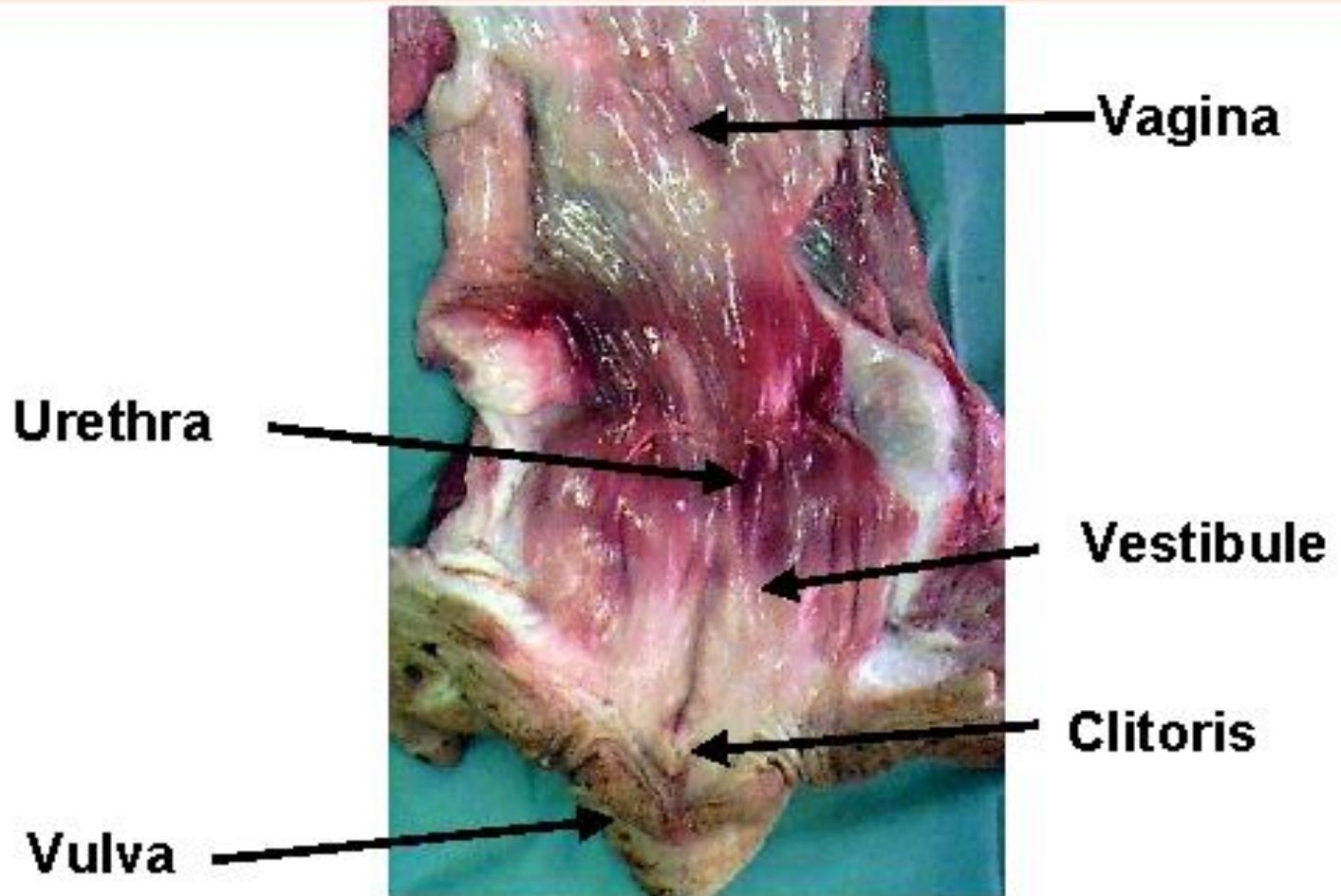
**Suburethral Diverticulum
within opening of uret**

Vestibular Glands

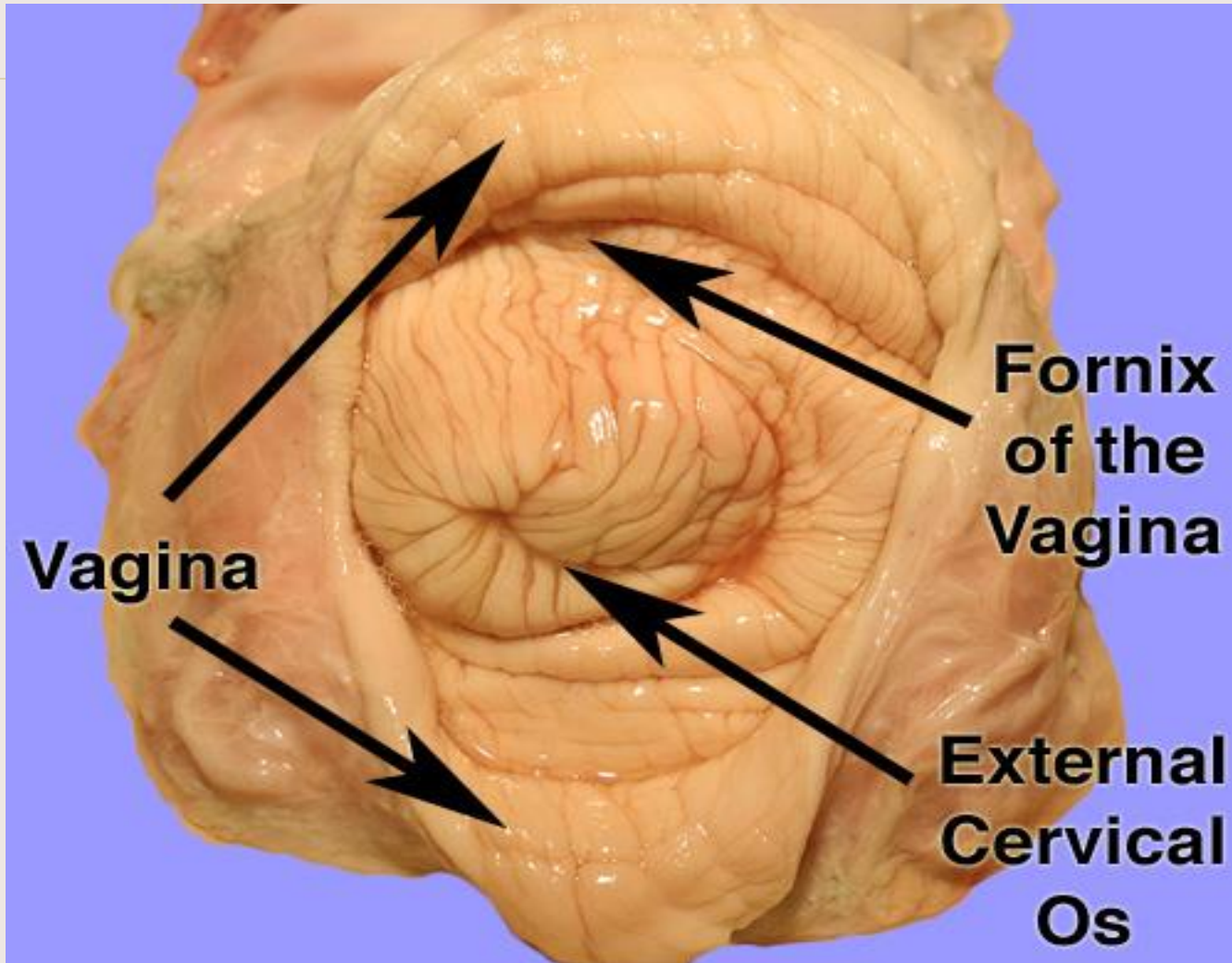
Vestibule

Clitoris

Vulva-Vestibule-Vagina



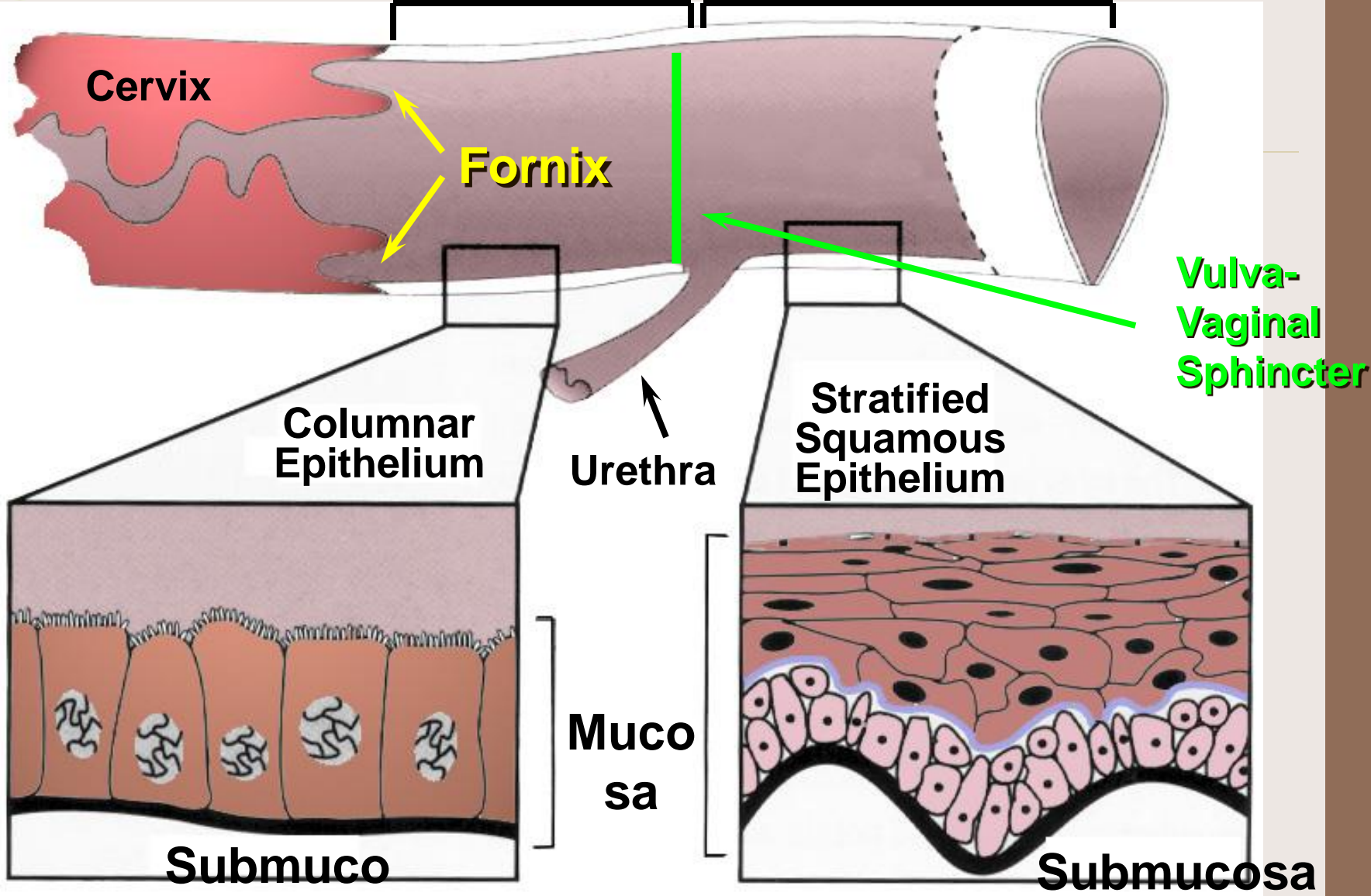
Vagina



Vagina

Anterior Vagina

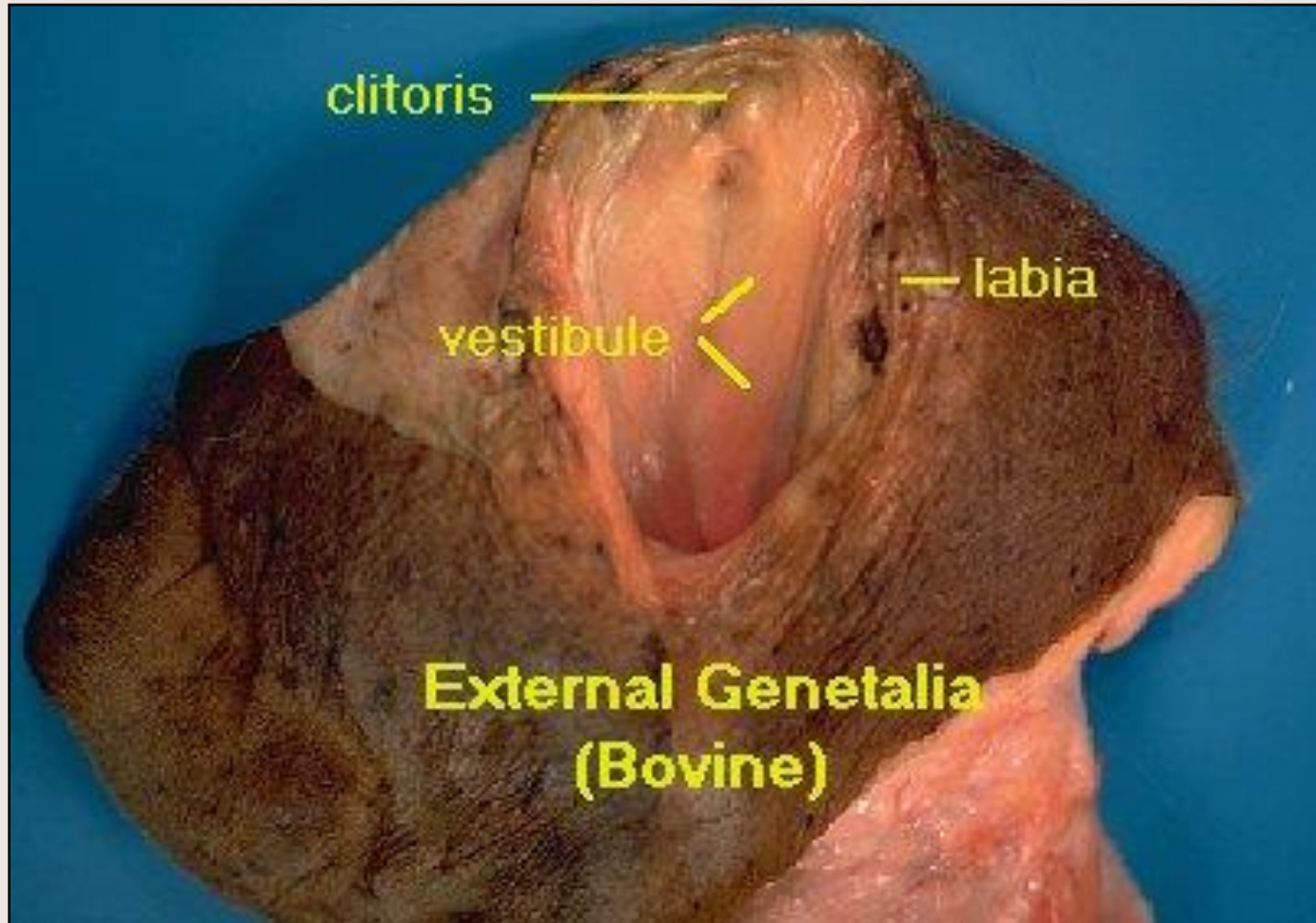
Posterior Vagina (Vestibule)



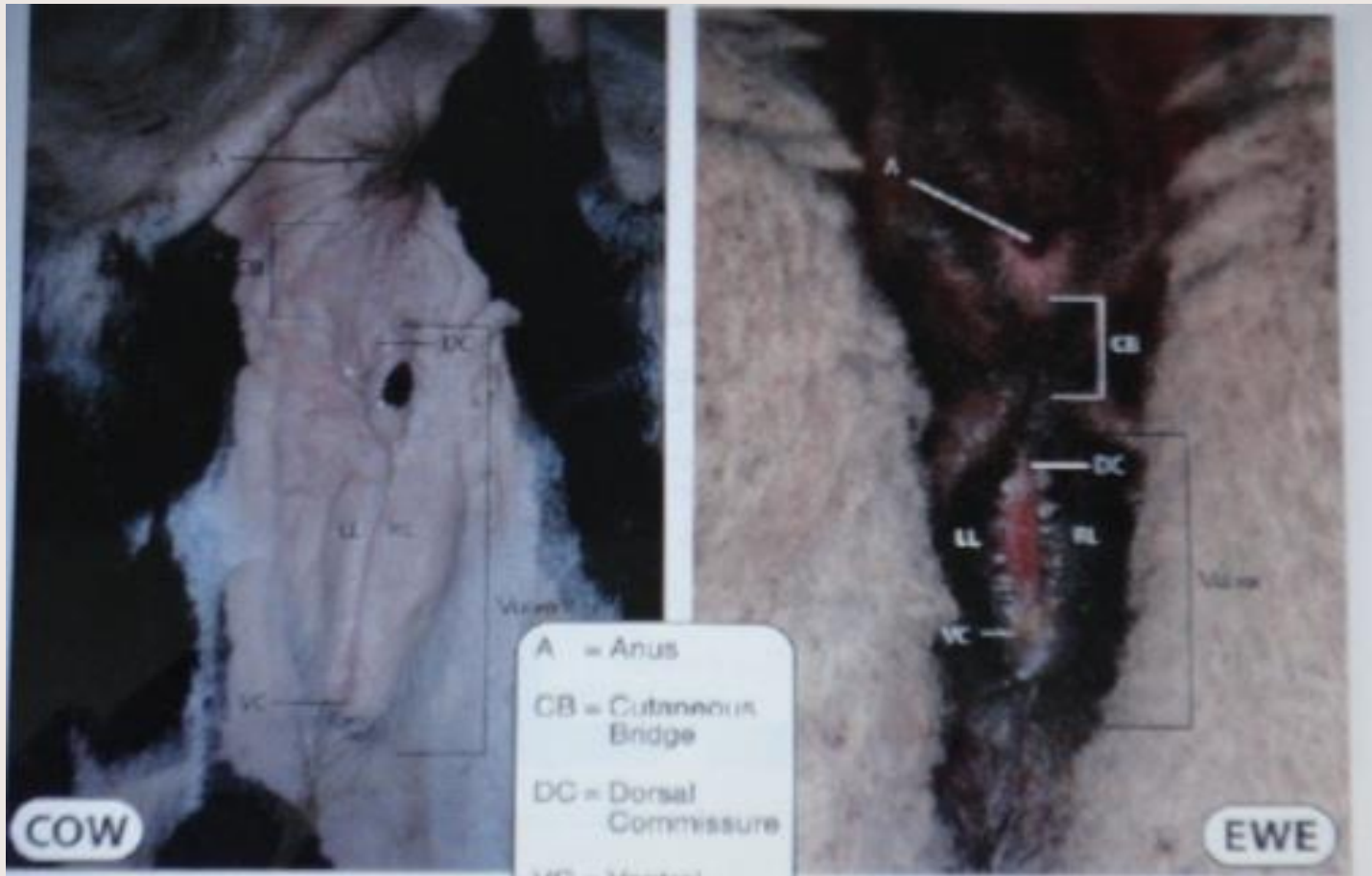
Updated: 10/19/2016
sa

- **Vulva**: external part of female reproductive tract . Consist two labia (major and minor) that meet in the medial of tract to form two commissure, its consist mainly of adipose tissue embedded smooth muscle known constrictor vulva muscle
- **Clitoris** : homologous to the glans penis in the male . Is located ventrally inside labia . It consist erectile tissue and well supplied with sensory nerves .

Female Reproductive System

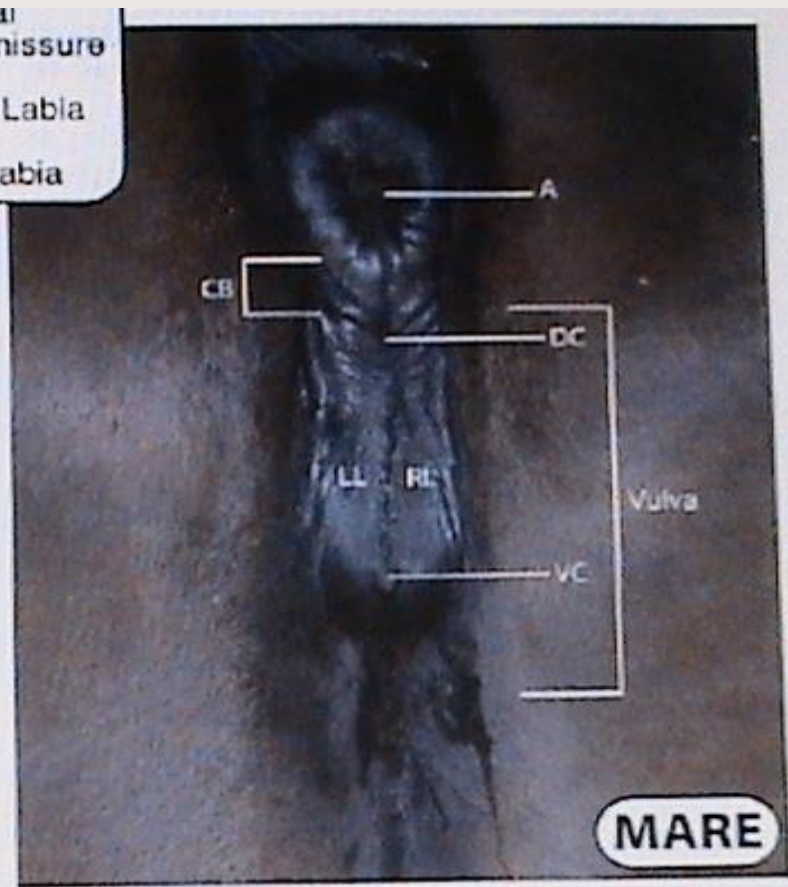
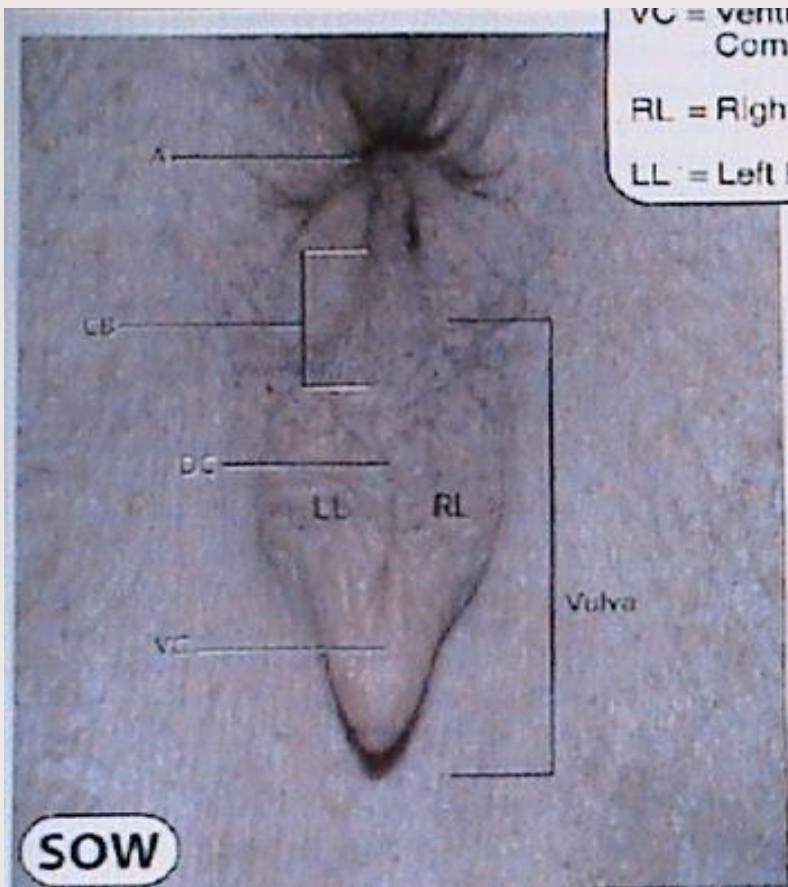


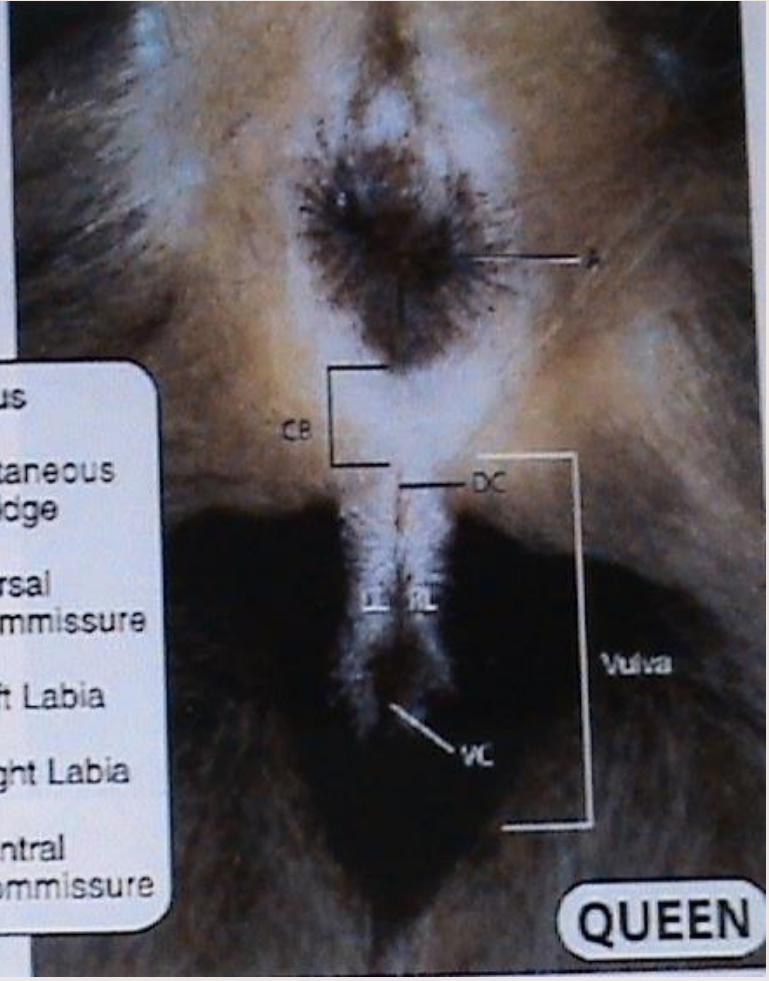
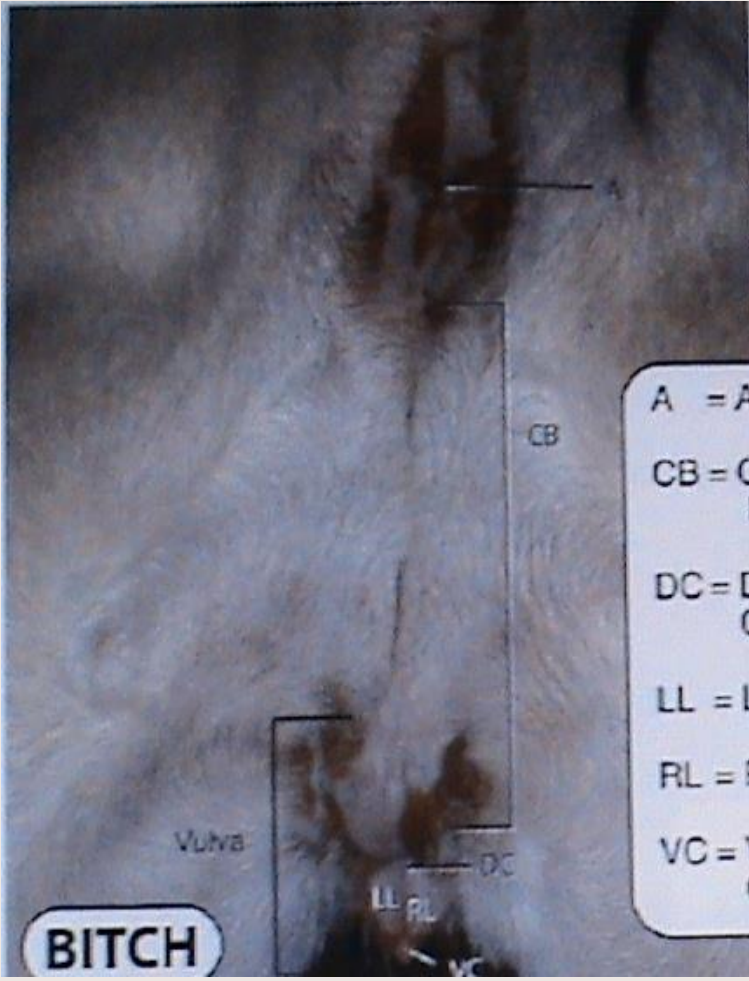
Vulva shape in different species animals



Updated: 10/19/20
16

VC = ventral
Commissure
RL = Right Labia
LL = Left Labia





A = Anus
CB = Cutaneous Bridge
DC = Dorsal Commissure
LL = Left Labia
RL = Right Labia
VC = Ventral Commissure

BITCH

QUEEN

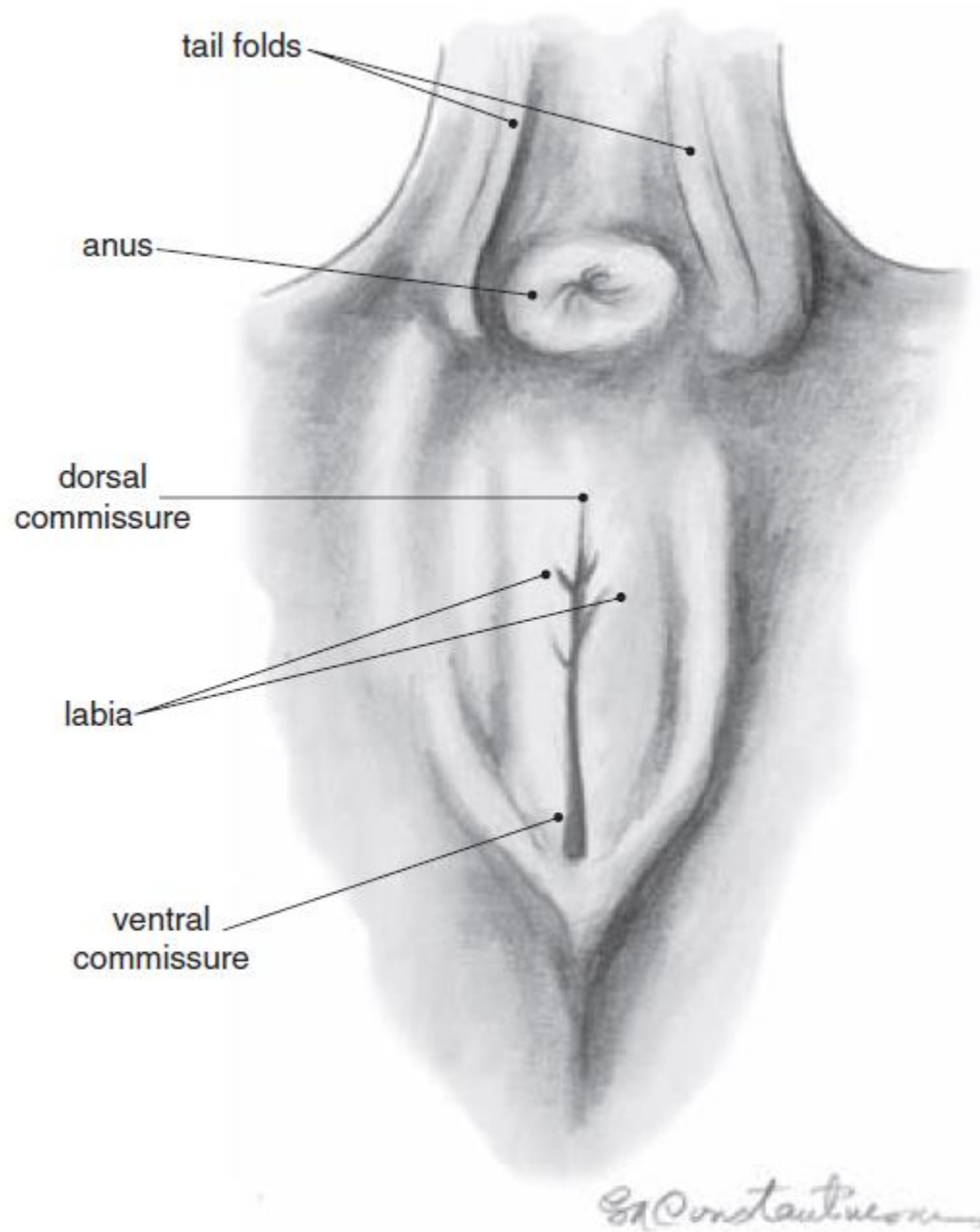
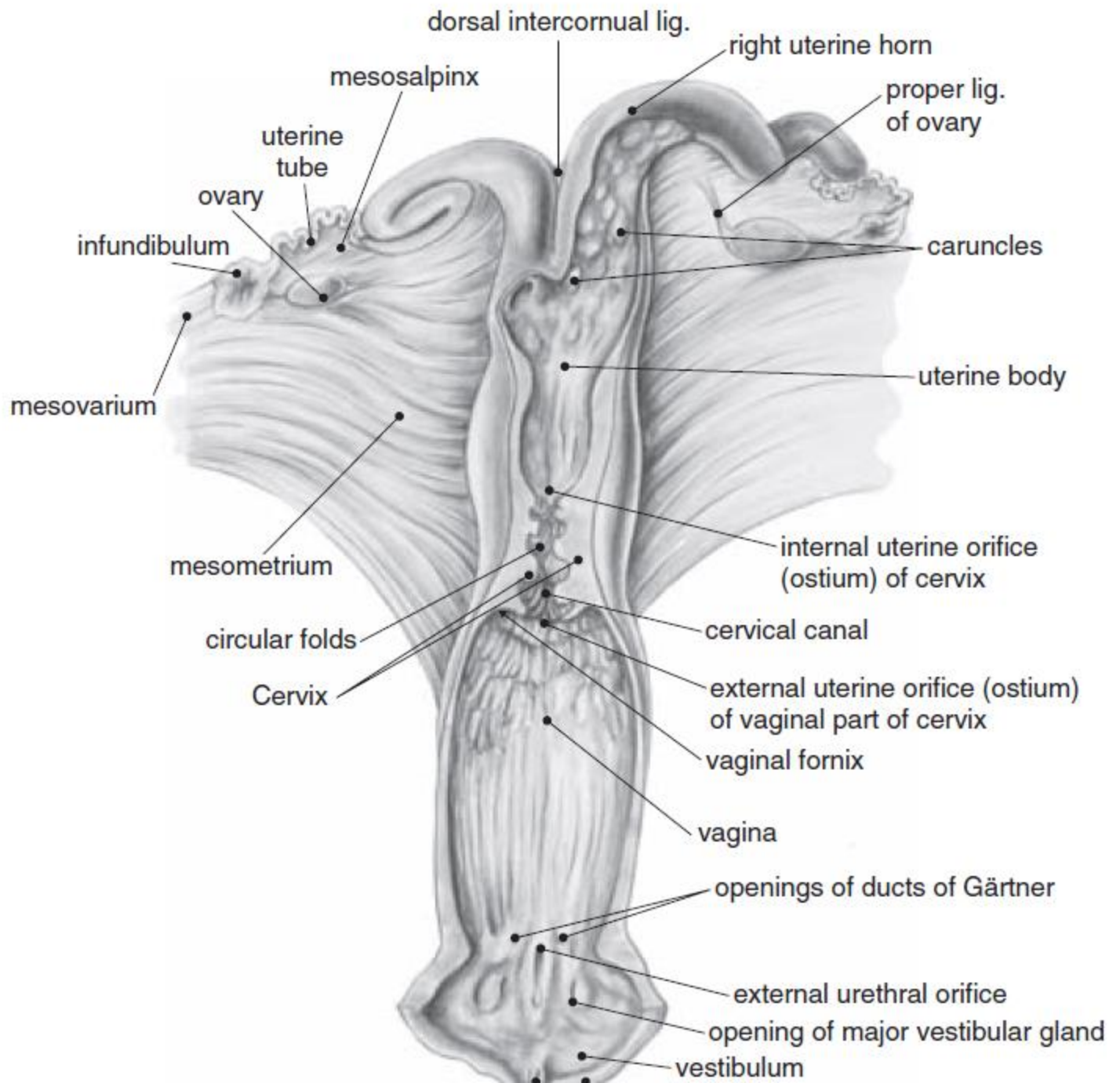
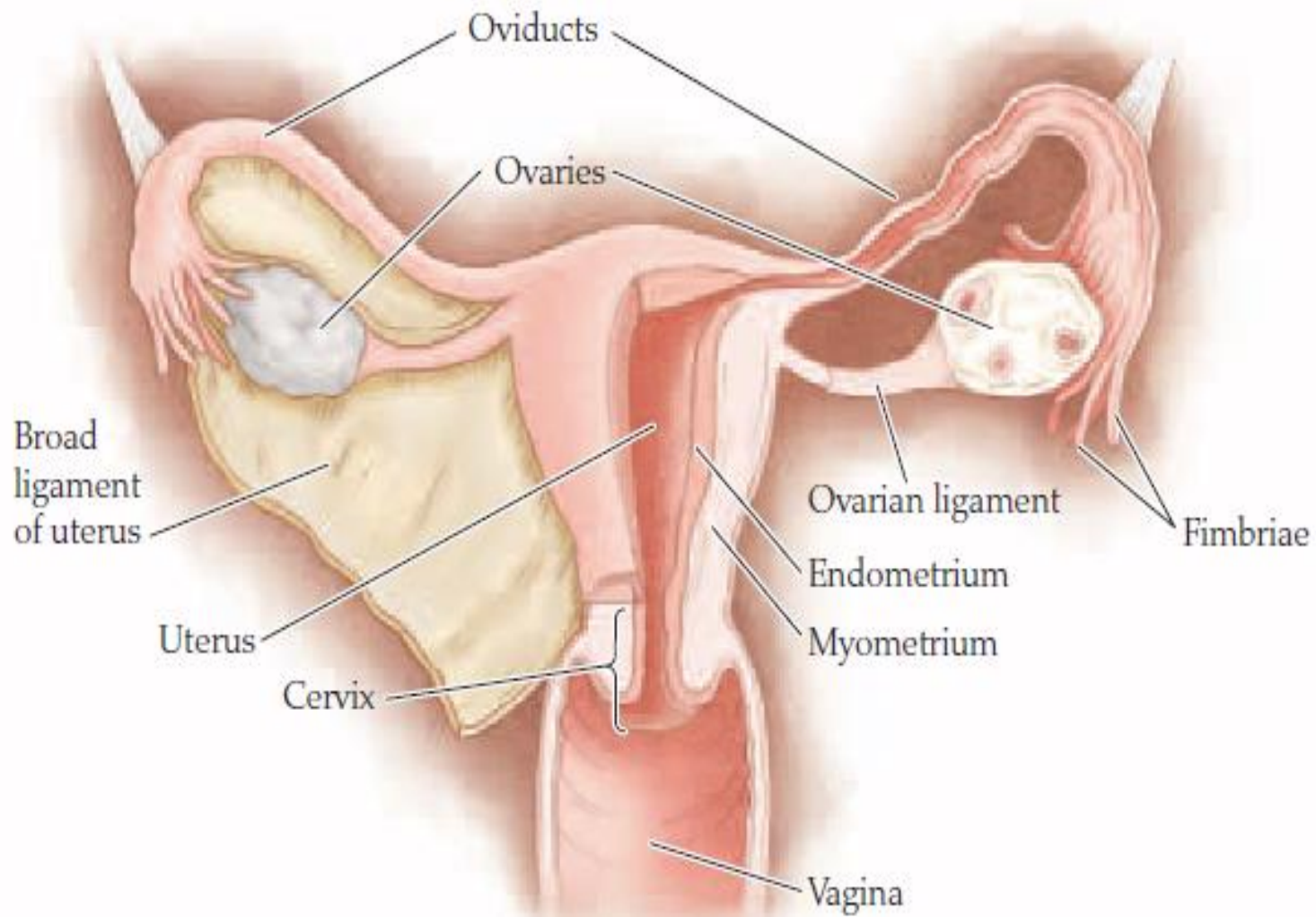


Figure 2.63. The vulva of the cow.



(b) Internal organs (frontal view)



Ovulation Rates

Ovulation Rates by Species

Cow-	1 egg per estrus
Ewe-	1 to 3 eggs per estrus
Sow-	10 to 20 eggs per estrus
Mare-	1 egg per estrus
Hen-	Approx. 28 eggs per month

