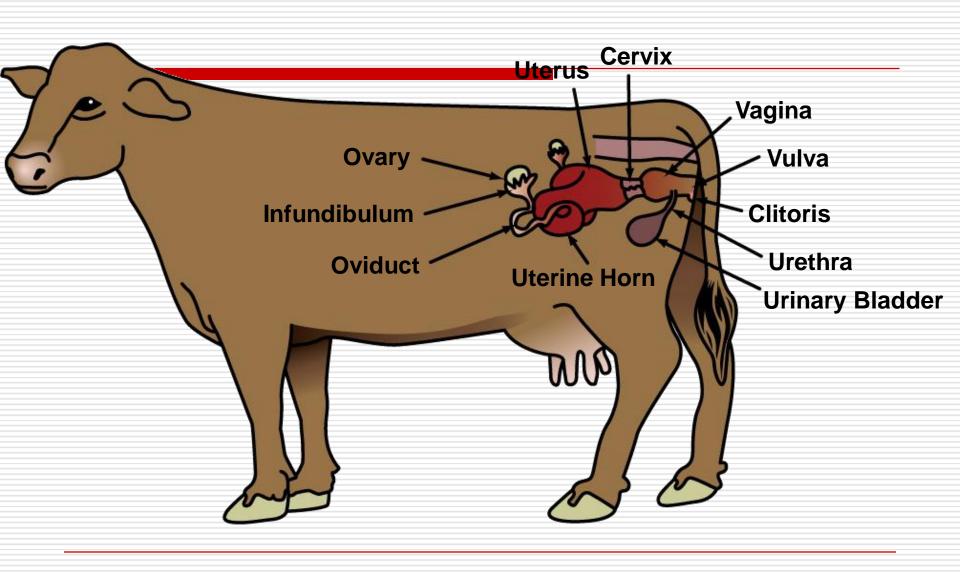
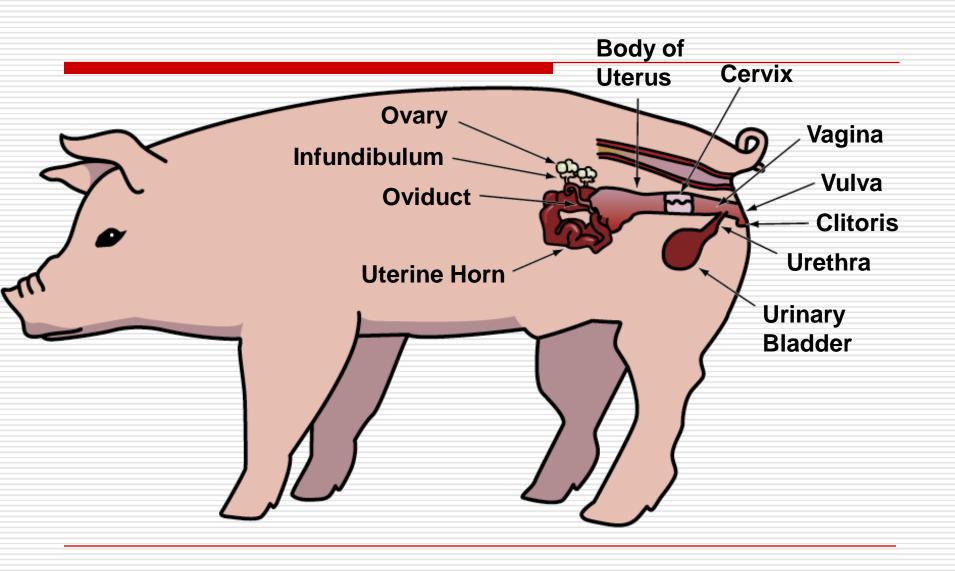
Female Reproductive System

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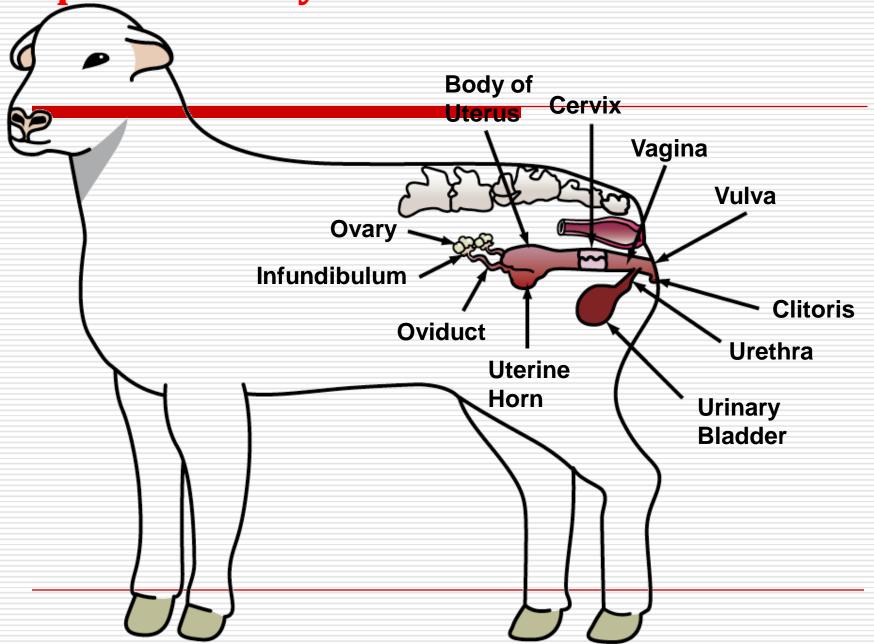
Reproductive System of the Cow - Side View



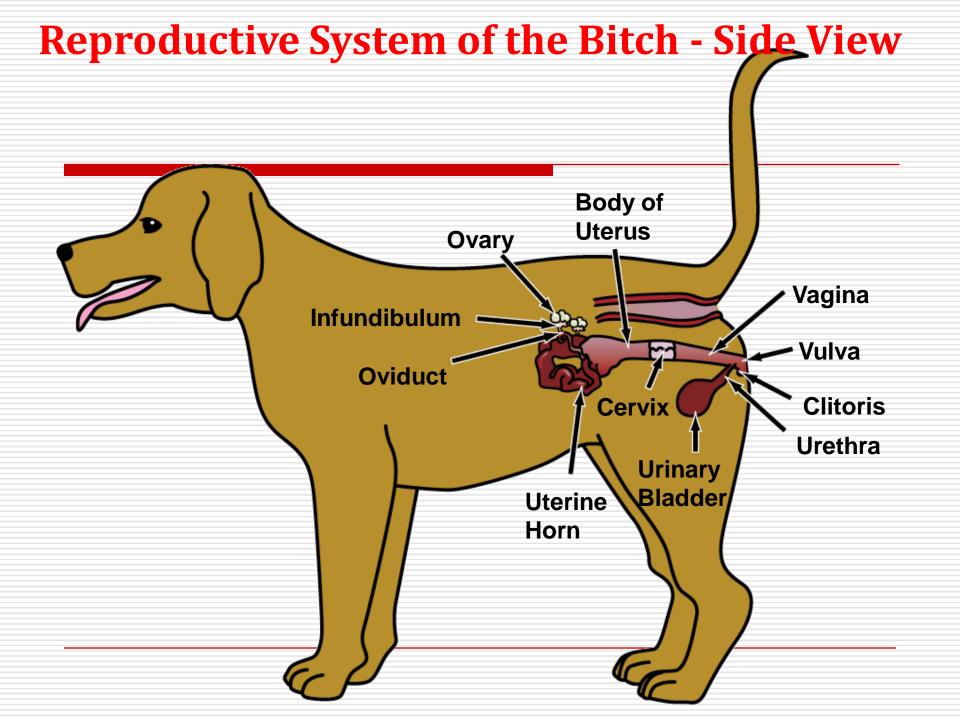
Reproductive System of the Sow - Side View



Reproductive System of the Ewe - Side View



Reproductive System of the Mare - Side View **Body of** Cervix Uterus Vagina **Ovary Vulva** Infundibulum Clitoris **Oviduct Urethra Urinary** Uterine Bladder Horn



For the most part they have the same reproductive parts....

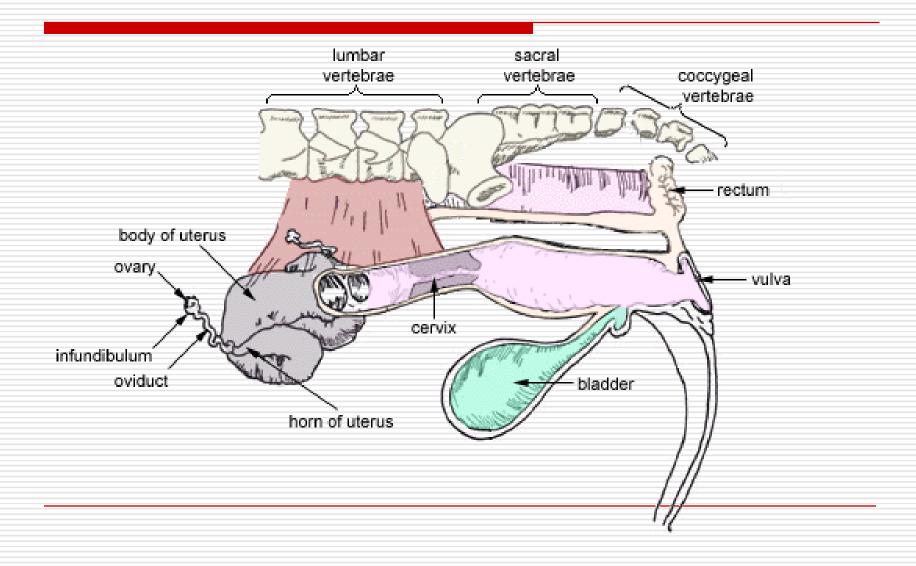
- Ovary produces eggs & hormones
- Infundibulum catches eggs after burst from ovary
- Oviduct (Fallopian Tube) narrow passage for egg, site of fertilization
- Uterine Horn For litter bearing animals to develop
- □ Uterus development of fetus

Female Reproductive Parts....

Cont....

- Cervix muscle which locks down uterus
- Vagina site of copulation (semen deposited) in most animals
- Clitoris stimulates reproductive tract causing waves during mating
- Vulva external opening of vagina
- □ Urethra carries urine

Cow's Reproductive Tract



Anatomy of Uterus

- □ It is a thick walled hollow muscular organ.
- It is situated almost in the abdominal cavity & partly in the pelvic cavity between bladder below & the colon and rectum above.
- It continuous cranially with the oviduct and caudally with the vagina.
- The organ is attached to the sub-lumbar region and to the lateral wall of pelvic and abdominal cavity by the broad ligament.
- □ The broad ligament is formed by double fold of peritoneum with some connective tissue and muscle fibers.

Horns of uterus

- Uterus present 2 horns
- 1-Right horn
- 2-Left horn
- Each horn is a spiral muscular tube tapered cranially to join the oviduct.
- The length of uterine horn is about 35 to 40 cm.
- The diameter of uterine horn is not uniform. it increased towards body.

Horns of uterus

cont.

- Anterior extremity of horn is tapering
- Posteriorly it converge with the wall of opposite horn & covered by fibro muscular sheath & at this part the two horn share common peritoneum hence they appear shorter than their actual length.
- Its inferior or lower curvature is concave.
- > Its superior curvature is convex.
- The horn are directed forward, downward, outward, backward and finally upward.
- They are spiral & resemble to the horn of Ram.

Body and cervix of uterus

- Body is very short & narrow. 4 to 5 cm (actual length) However it appear externally 10 to 15 cm.
- It appear longer than really, due to the presence of common peritoneal covering on the caudal most part of the horn before their union.
- This is dorsoventrally flat tube & is laterally attached with the broad ligament.
- The wall is thicker than horns.
- The body bifurcates cranially to form horn & caudally continuous with the cervix. It is last part of uterus.
- It is 8 cm long.

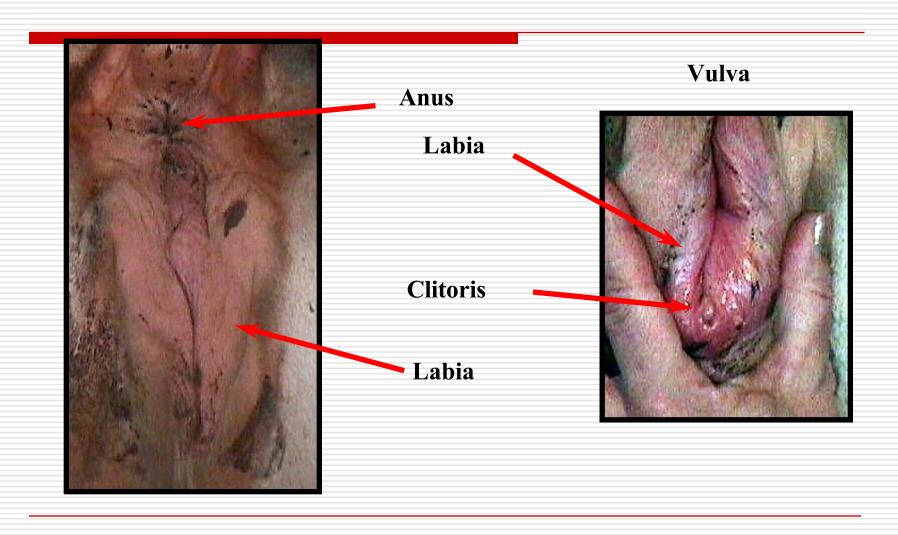
Body and cervix of uterus cont.

- t is a short tube which has numerous folds in non pregnant animal.
- It continuous anteriorly with the body and posterioly it project in to the vagina.
- The tip of the projected part presents a depression, k/w as external os, through which the cervical canal communicate with the vagina.

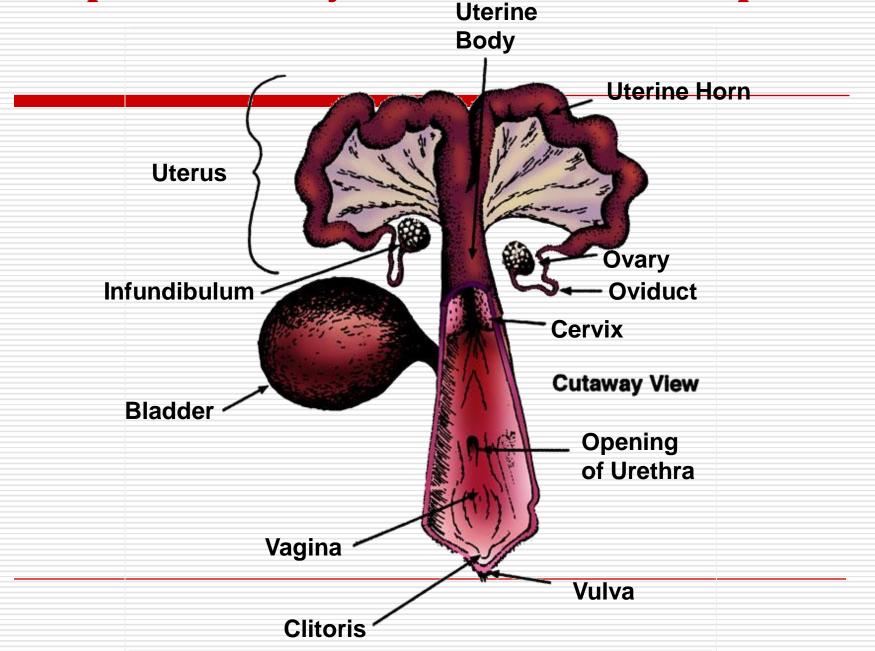
Note:

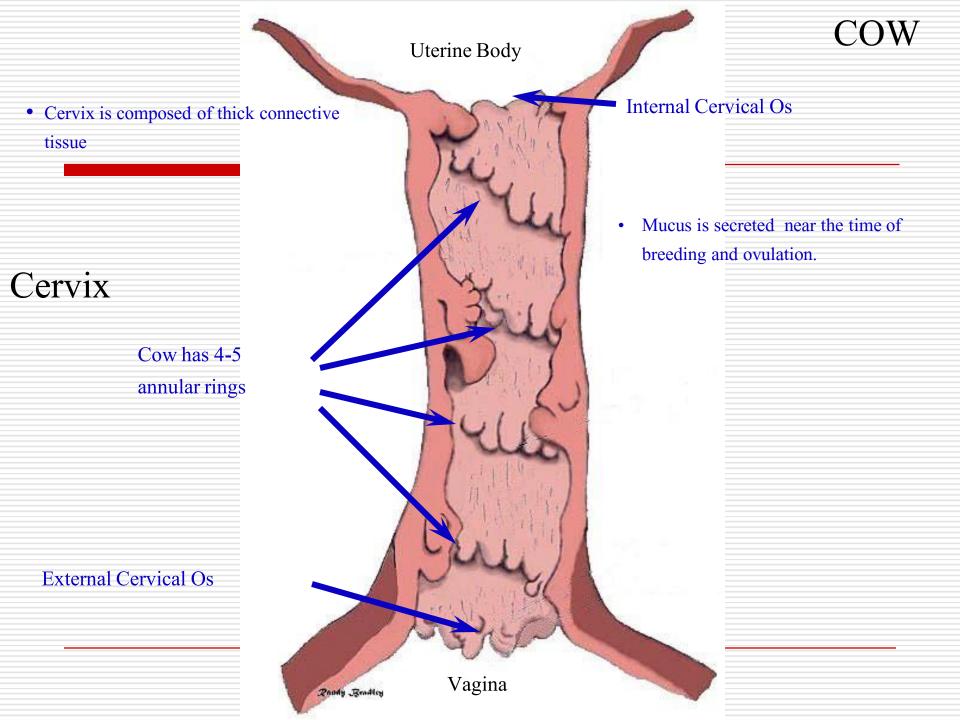
In pregnancy, caruncles size may be up to 10-12 cm long, 6 cm wide & they supply blood to foetus through placenta.

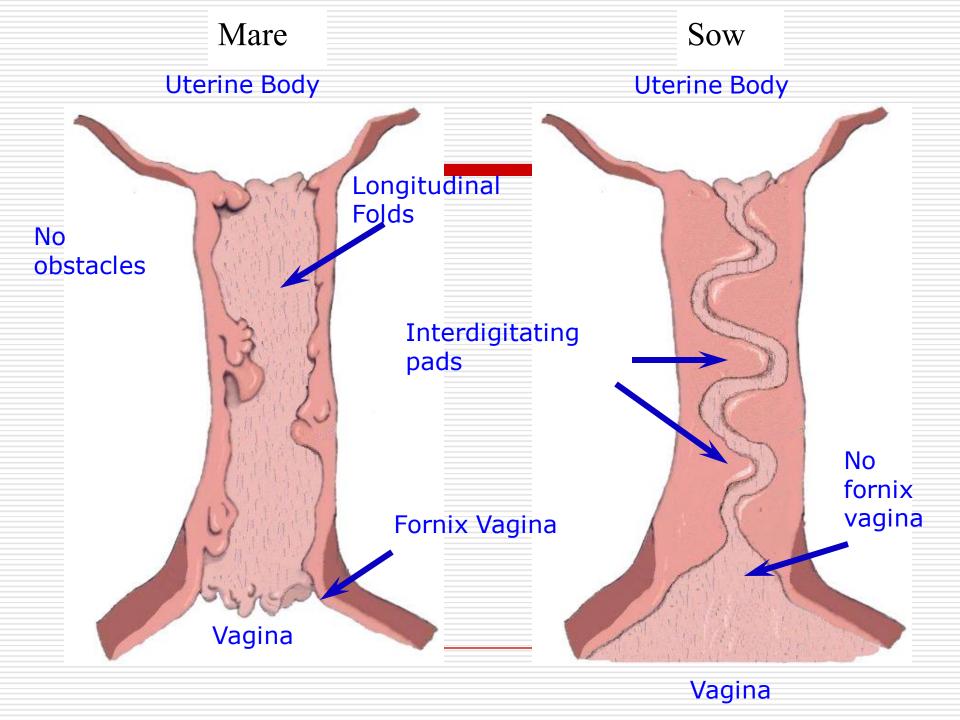
External Genitalia of the Cow



Reproductive System of the Sow - Top View







Thanks