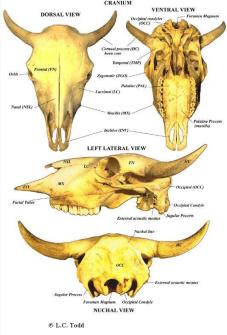


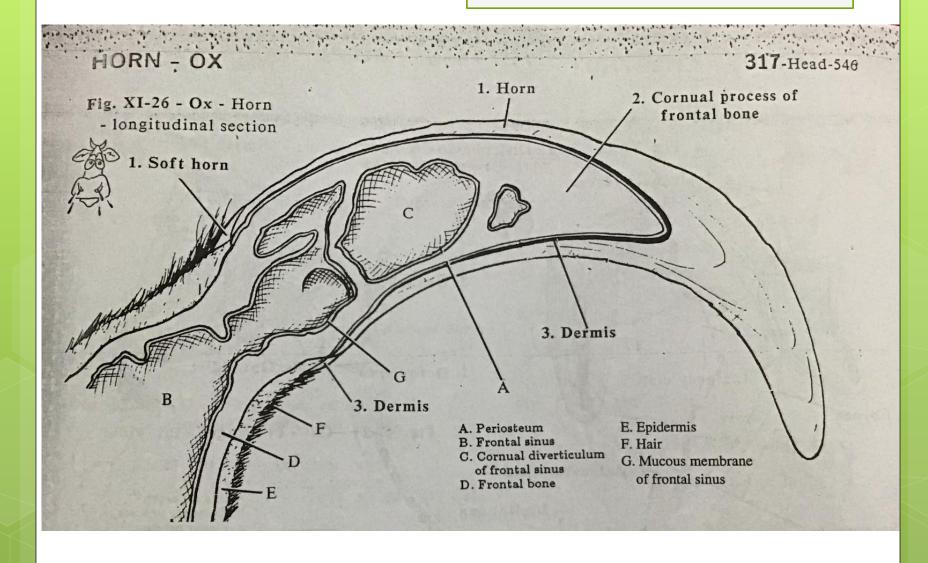
Horn Anatomy

Of Domestic Ruminants

- Horns are the permanent keratinous coverings of the cornual process of the frontal bone in ruminants and are present in both males and females. It grows throughout life.
- The cornual process starts from a horn bud (the germinal tissue). At around 2 months of age, the horn becomes attached to the frontal bone via the frontal sinus. As it grows out, it becomes hollowed out (at wound 6 months old) as it is joined to the frontal sinus.



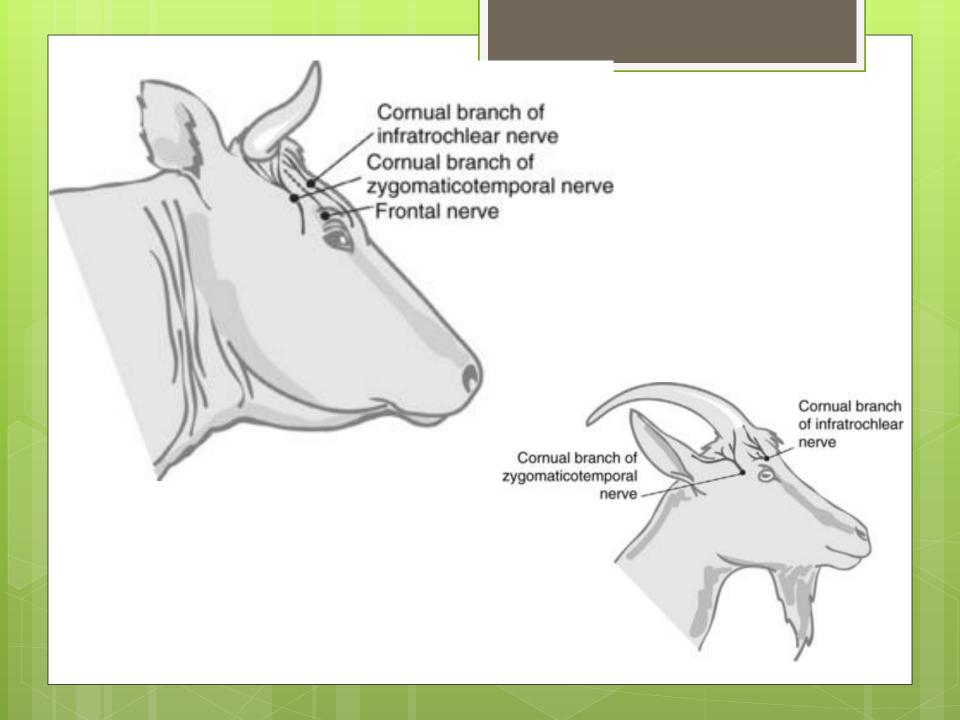




Nerve Supply to the Horns

There are two nervous innervation to the horn:

- The cornual branch of the infratrochlear nerve which is a branch of the maxillary nerve (and the maxillary nerve is a branch of CN V- the trigeminal nerve)
- The cornual branch of the zygomasticotemporal nerve which is a branch of the zygomatic nerve. The zygomatic nerve is also a branch of the maxillary nerve.



Blood Supply to the Horns

• The horns are supplied by the **cornual artery**, a branch of the superficial temporal artery that originates from the external carotid artery.

