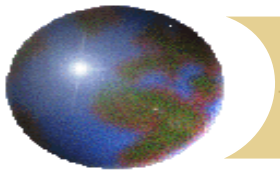


Male Reproductive Pathology: Penis and Prepuce

Common diseases

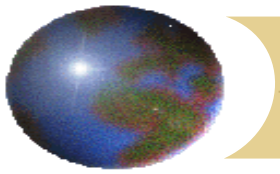
Uncommon diseases

Pathogenesis



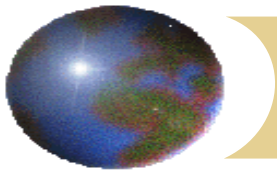
Penis and Prepuce: Diseases

- ✚ Developmental (Disorder of Sexual Development)
- ✚ Miscellaneous Acquired disease
- ✚ Inflammation of the
 - ▣ penis - phalitis
 - ▣ head of penis - balanitis
 - ▣ internal sheath of prepuce - posthitis
- ✚ Balanoposthitis vs phaloposthitis
- ✚ Neoplasia



Penis and Prepuce: Developmental disease

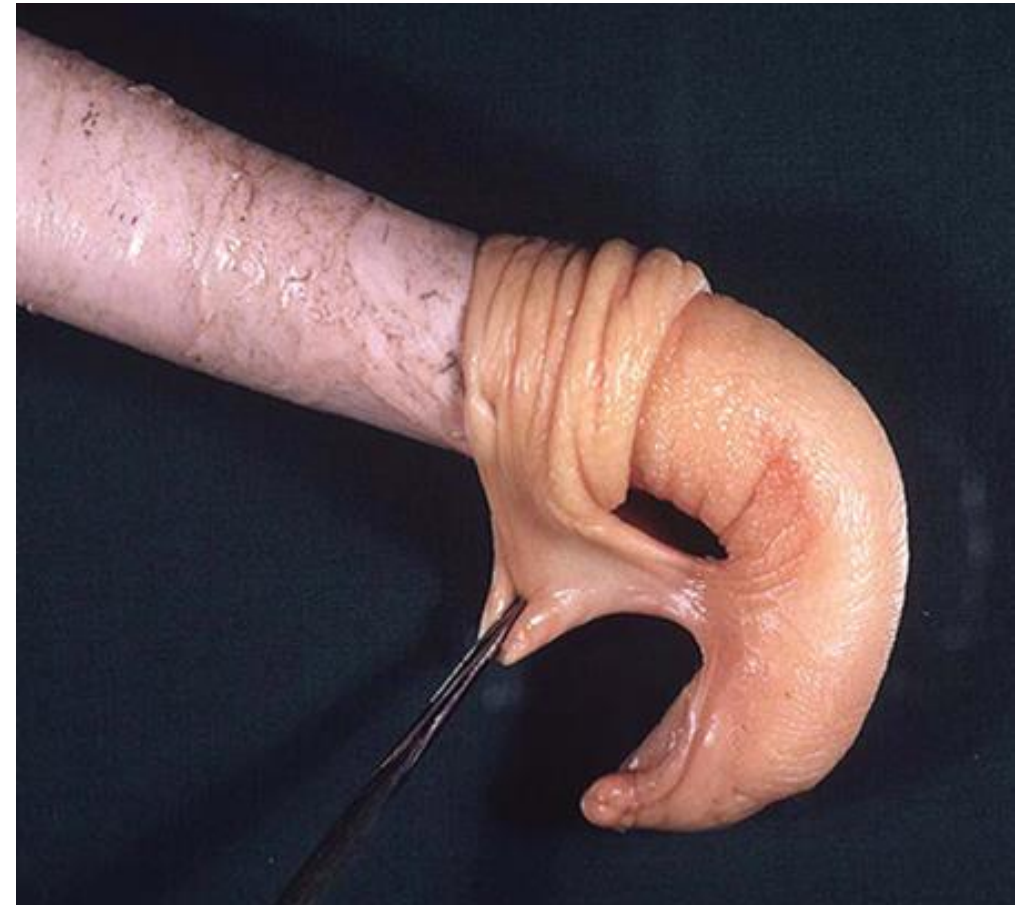
- ✚ Hypoplasia
- ✚ Deviation
- ✚ Persistent frenulum, balanopreputial folds

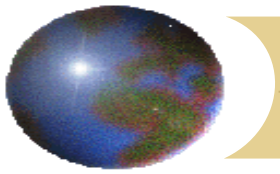


Penis and Prepuce: Developmental disease

Persistent balanopreputial fold:
persistent frenulum

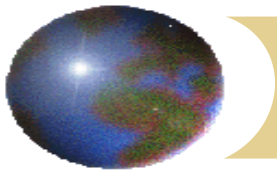
Photo complements of Pathological Basis of Veterinary
Disease





Penis and Prepuce: Diseases

- ✚ Developmental
- ✚ Miscellaneous Acquired disease
- ✚ Inflammation
 - ▣ balanoposthitis (phaloposthitis)
- ✚ Neoplasia

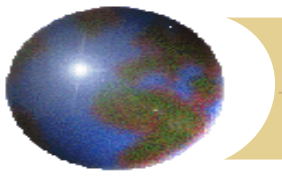


Penis and Prepuce: Miscellaneous acquired disease; paraphimosis, phimosis, priapism

- ✦ Phimosis: inability to extrude penis.
- ✦ Paraphimosis: failure to retract penis.
- ✦ Priapism: permanently erect penis.



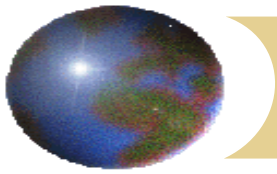
This gelding has paraphimosis from a squamous cell carcinoma.
Phenathiazine tranquilizer in a stallion is a bad idea - paraphimosis



Penis and Prepuce: Miscellaneous acquired disease; trauma

- ✚ Car accidents - fracture of penis bone.
- ✚ Mating injury
- ✚ Sand
- ✚ Foreign body (hair)

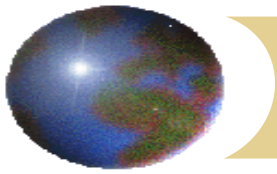




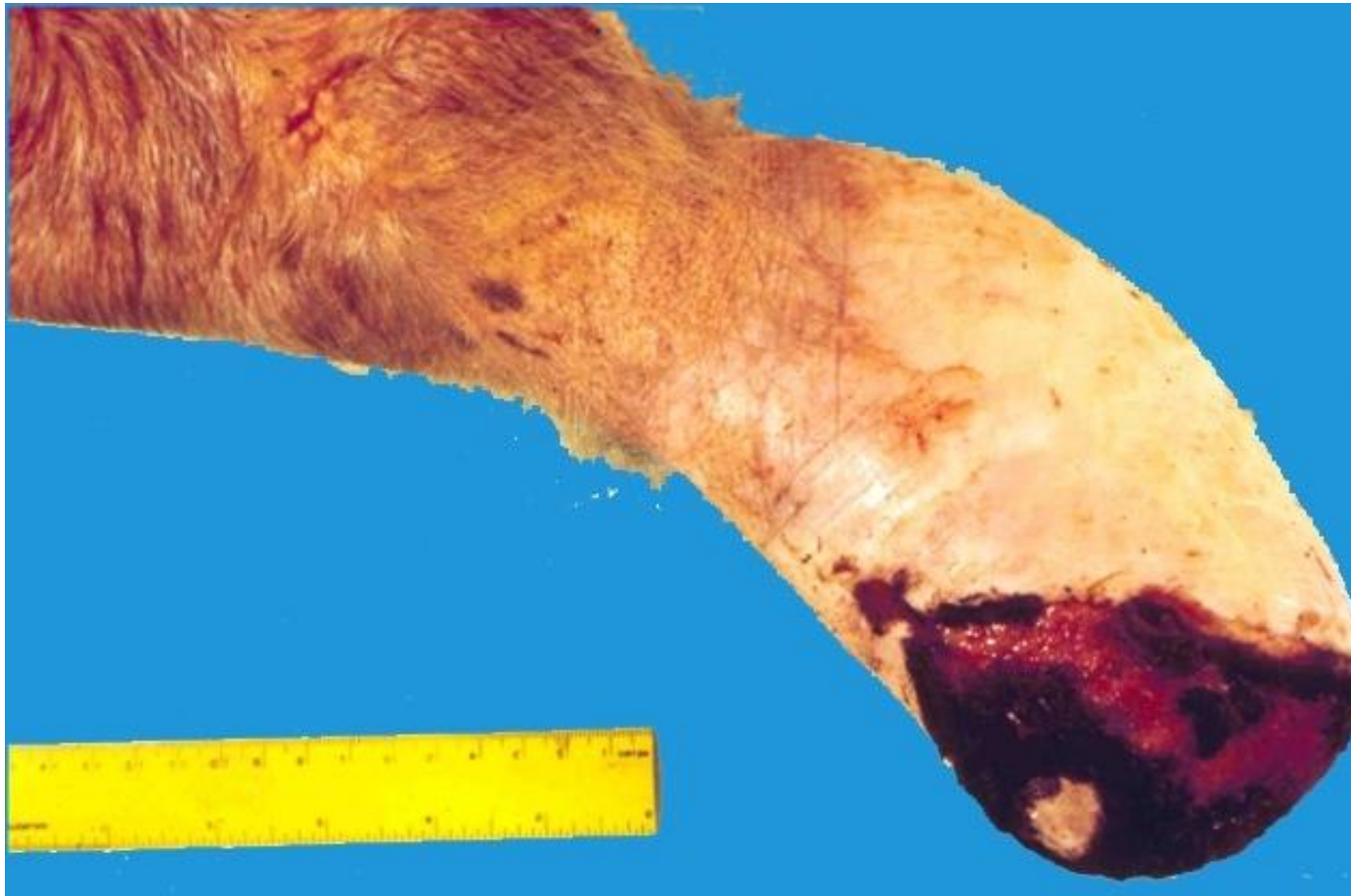
Name this breed

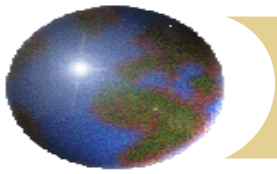


From <http://loadpaper.com/id21822/brahman-bull-wallpaper-download-the-free-red-1024x768-pixel.html>



*Penis and Prepuce: Miscellaneous acquired disease;
bovine preputial eversion – and prolapse*



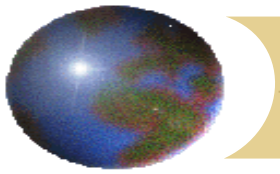


Penis and Prepuce: Miscellaneous Acquired disease: bovine forced deviation (hematoma)

The hematoma is always at the sigmoid flexure of the penis

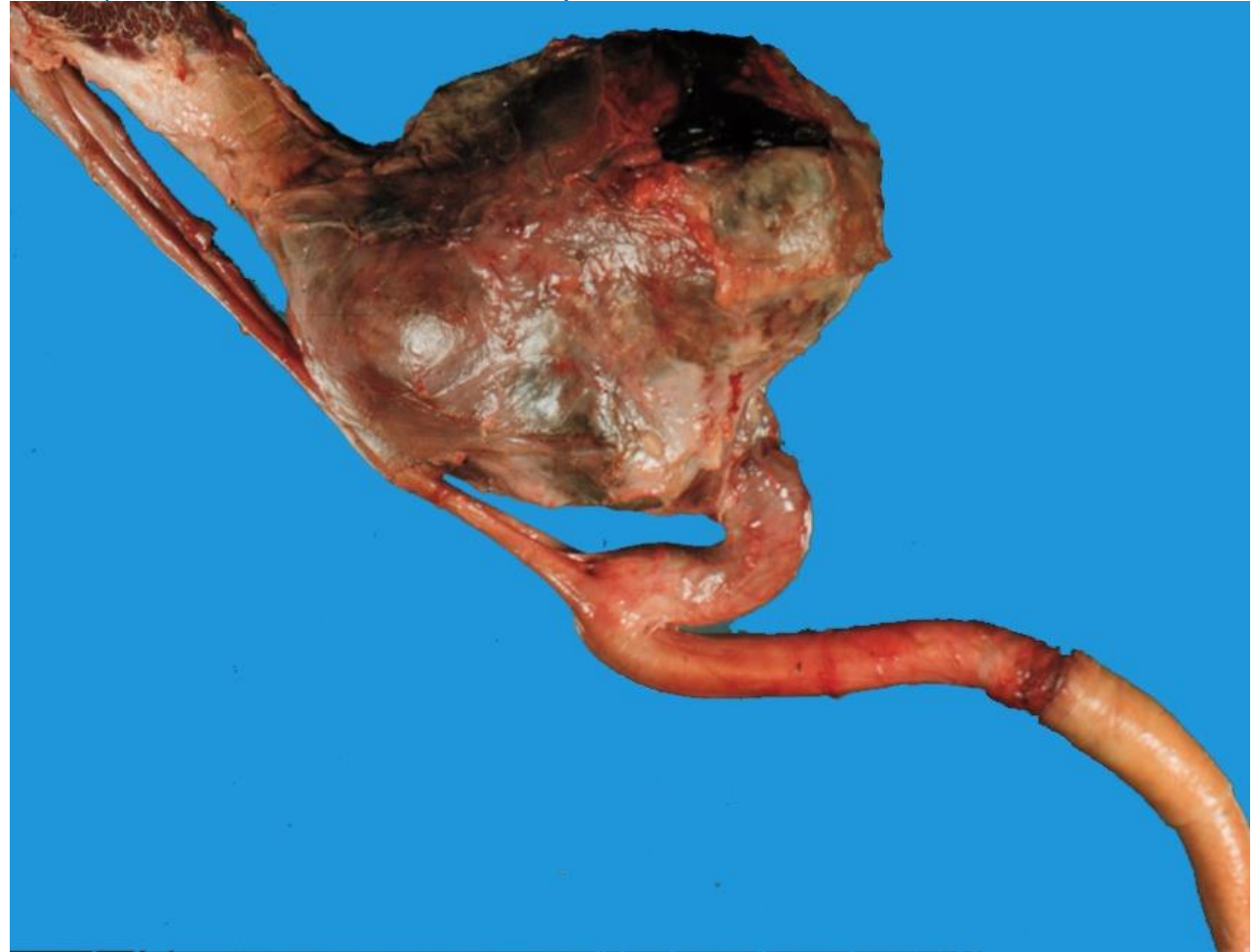


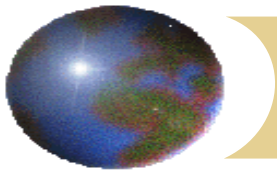
Photo complements of Dr Carlos Campero



*Penis and Prepuce: Miscellaneous acquired disease;
bovine forced deviation (hematoma)*

Hematoma at the sigmoid
flexure of the penis

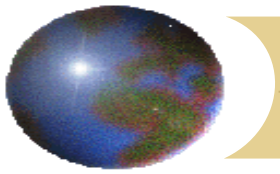




Penis and Prepuce: Miscellaneous acquired disease; urolithiasis

- ✚ Necrosis of penis secondary to urolithiasis of urethral process

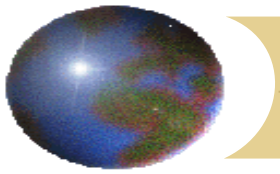




Penis and Prepuce: Miscellaneous acquired disease; summary

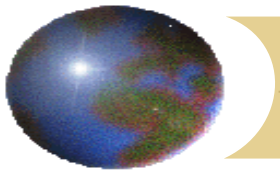
- ✦ Phimosis, paraphimosis, priapism
- ✦ Trauma
- ✦ Eversion and prolapse
- ✦ Forced deviation (hematoma)
- ✦ Urolithiasis

Phimosis – inability to extrude penis. Paraphimosis – failure to retract penis.
Priapism – permanently erect penis.



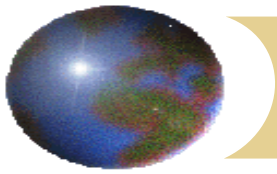
Penis and Prepuce; Diseases

- ✚ Developmental
- ✚ Miscellaneous acquired disease
- ✚ Inflammation
 - ▣ balanoposthitis (phaloposthitis)
- ✚ Neoplasia



Penis and Prepuce: Inflammation of penis and prepuce

- ✚ Nonspecific balanoposthitis
 - ▣ Dog
 - ▣ Gelding
- ✚ Sexually Transmitted Diseases
 - ▣ Minimal lesions if at all
- ✚ Ovine posthitis (pizzle rot)
 - ▣ *Corynebacterium renale*, urease and protein
- ✚ Porcine preputial diverticulitis



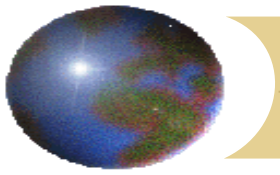
Penis and Prepuce: Inflammation; ovine posthitis

- ✦ Wethers

- ✦ Pathogenesis

- ✦ High protein diet
- ✦ *Corynebacterium renale*
- ✦ Urease production
- ✦ Ulceration, inflammation, fibrosis

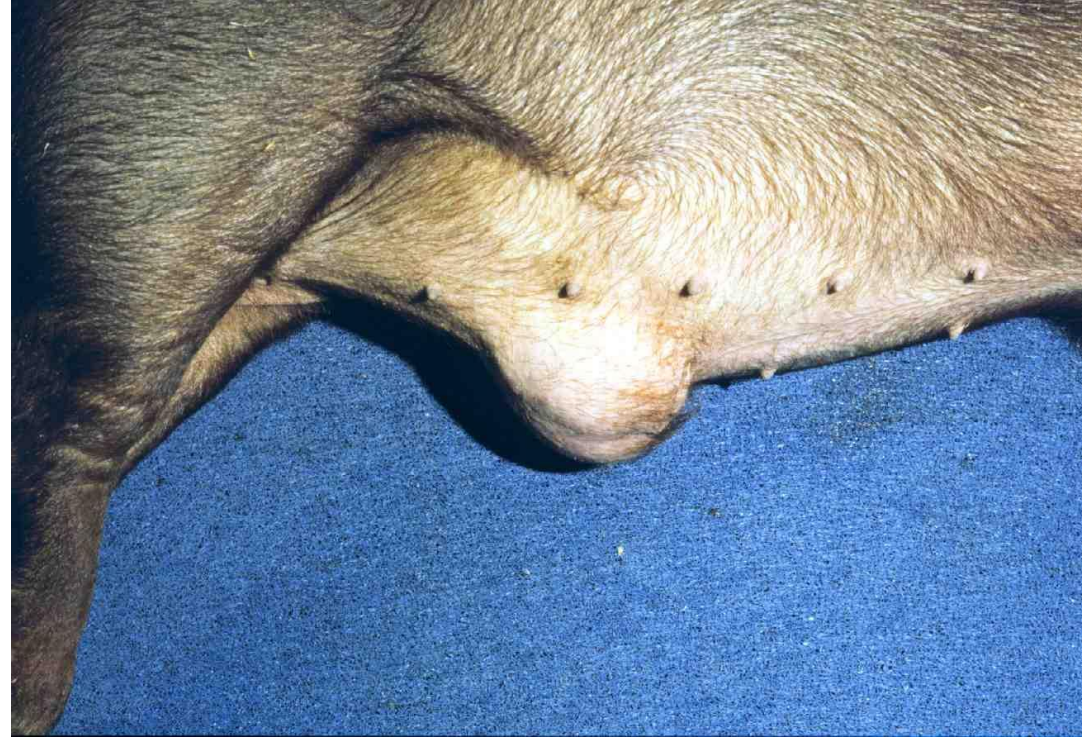


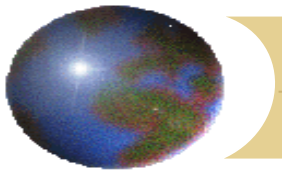


Penis and Prepuce: Inflammation; porcine preputial diverticulitis

✚ Pathogenesis

1. Urine in preputial diverticulum
2. Debris accumulates
3. Inflammation
4. Diverticulitis

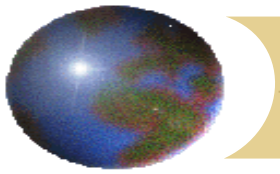




Penis and Prepuce: Inflammation; preputial diverticulitis

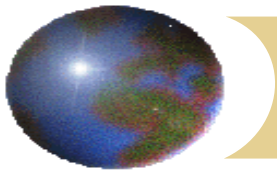
- ✚ Ulcers in preputial diverticulum



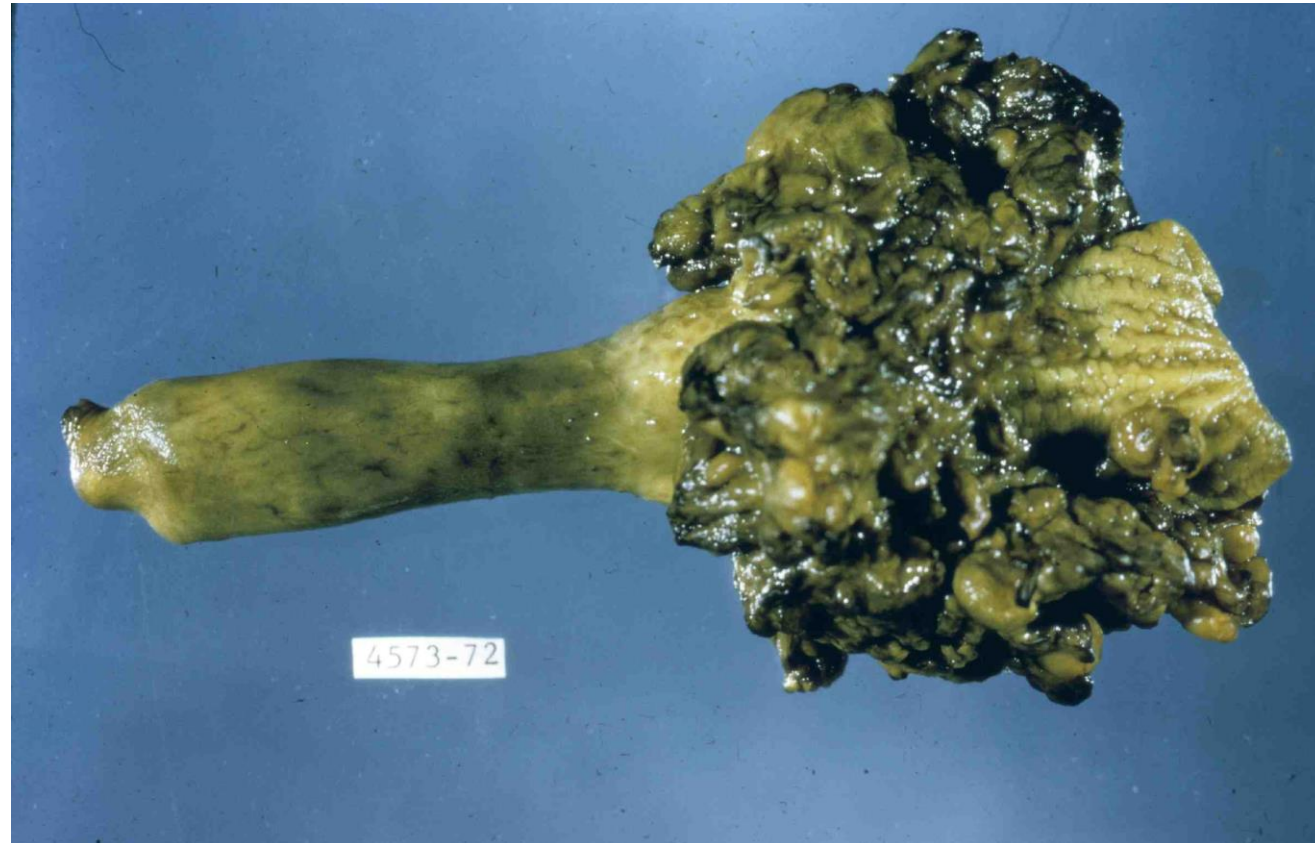


Penis and Prepuce: Diseases

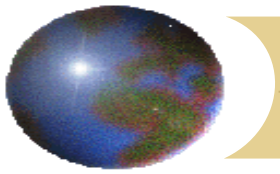
- ✦ Developmental
- ✦ Acquired disease
- ✦ Inflammation
 - ▣ balanoposthitis (phaloposthitis)
- ✦ Neoplasia



*Penis and Prepuce: Neoplasia;
canine transmissible venereal tumor*

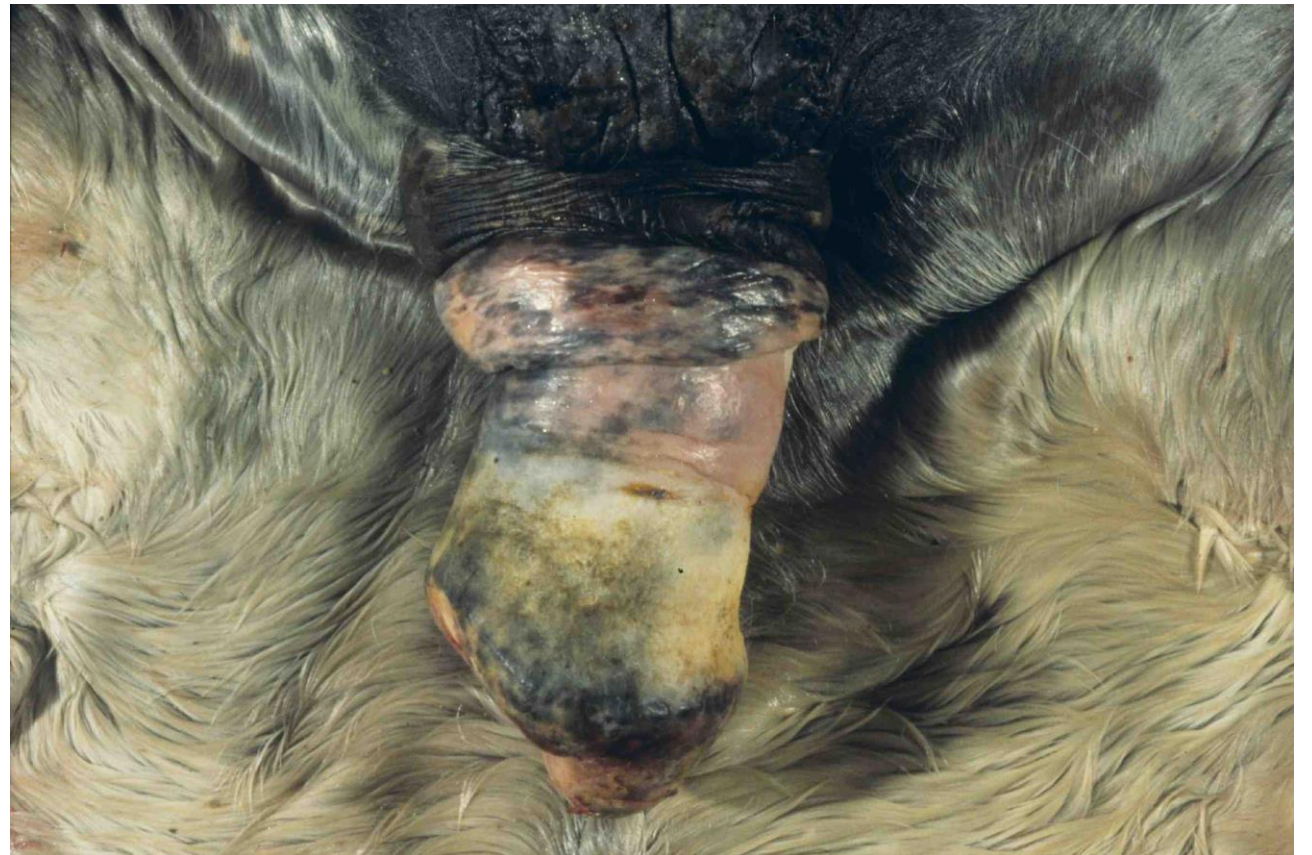


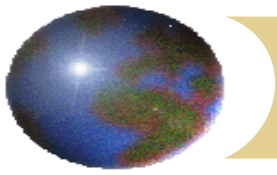
Xenotransplantation



*Penis and Prepuce: Neoplasia;
equine squamous cell carcinoma*

Equus caballus
papillomavirus-2 (EcPV-2)
is contributor





*Penis and Prepuce: Neoplasia;
bovine fibropapilloma*

*Bovine papillomavirus-1
(BPV-1)*

