

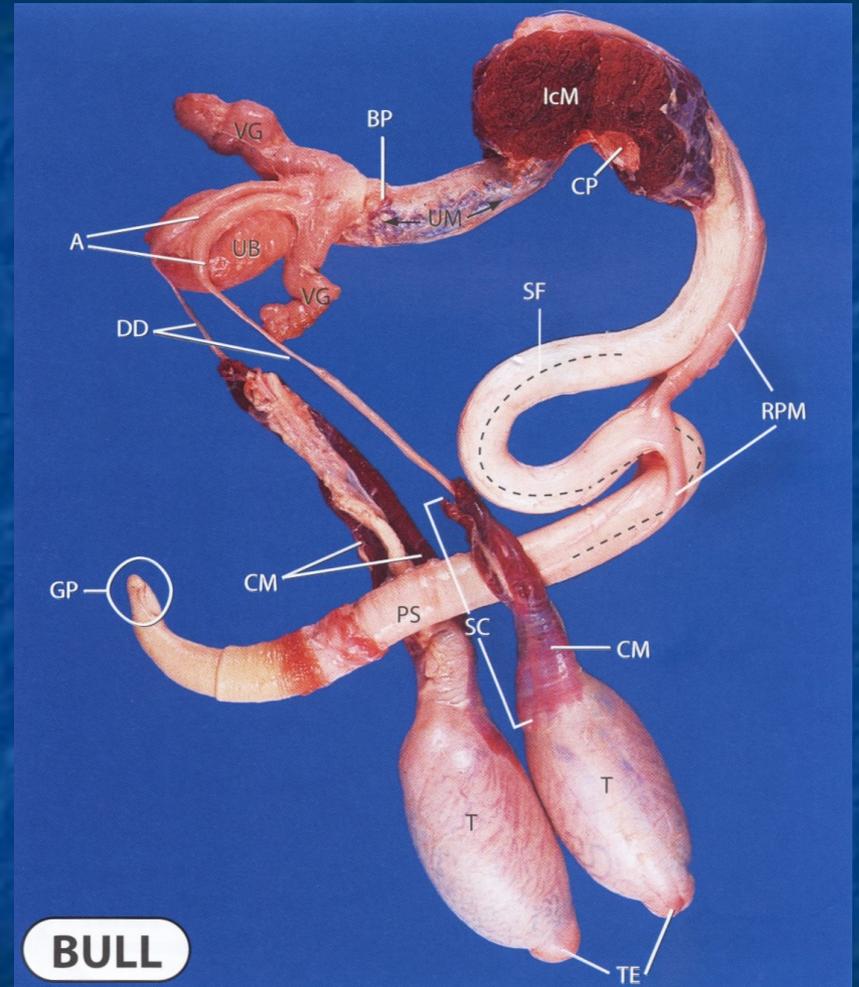
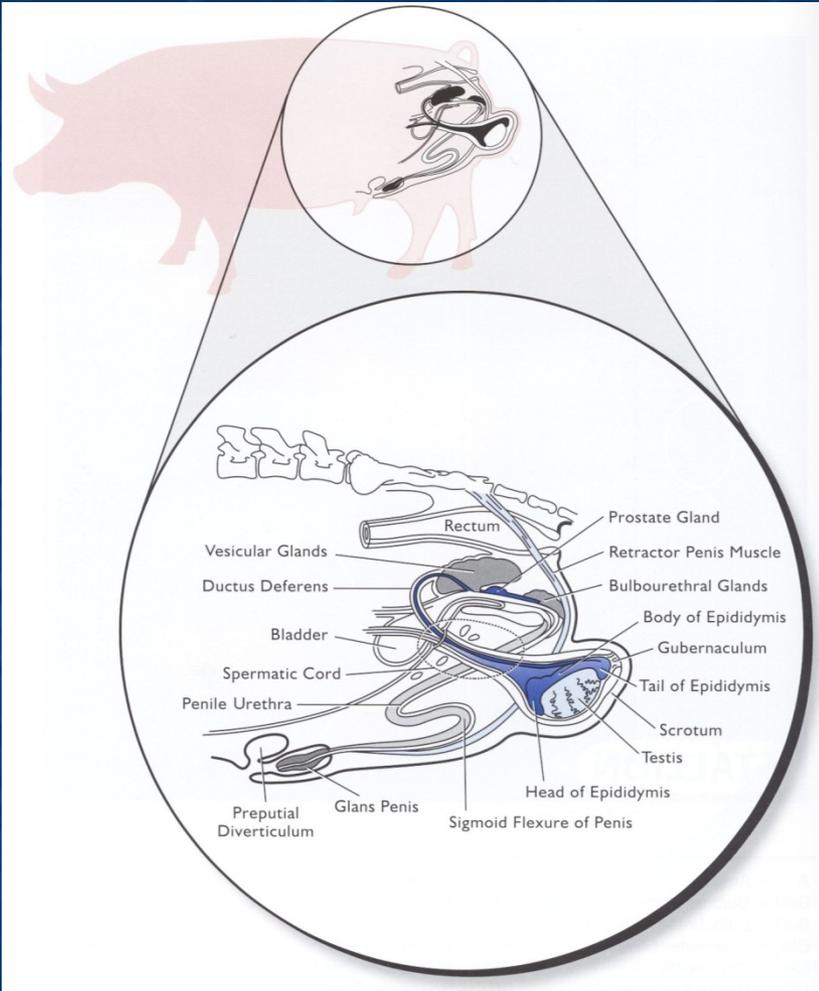
# **APARELHO UROGENITAL**

## **ÓRGÃOS GENITAIS MASCULINOS**

# ÓRGÃOS GENITAIS MASCULINOS

## COMPONENTES ANATÔMICOS:

- Testículos;
- Epidídimo
- Ducto deferente;
- Uretra masculina
- Pênis;
- Glândulas acessórias;
- Escroto;
- Prepúcio;



**BULL**

# TESTÍCULOS

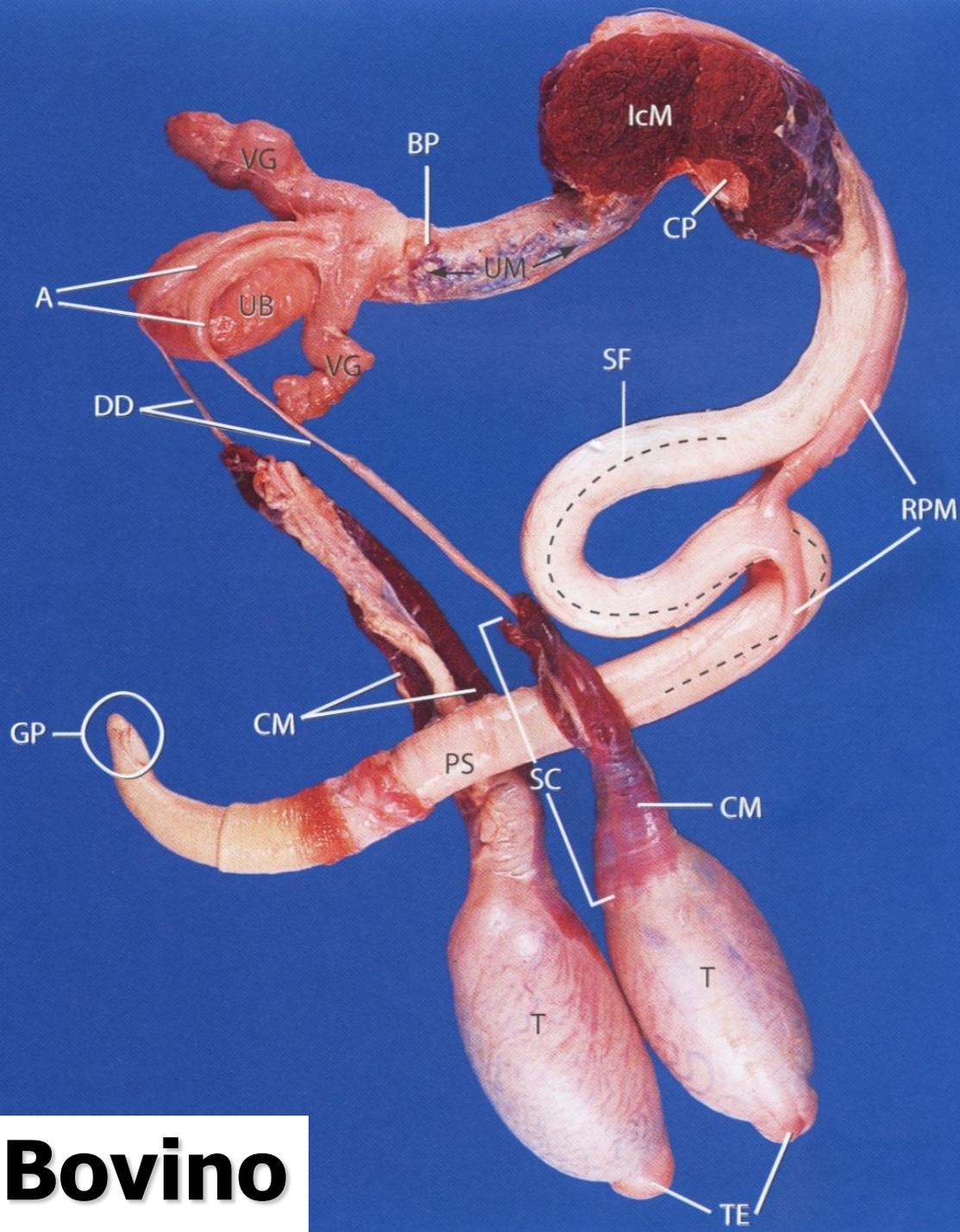
- **Conceito:**

- São órgãos elipsóides sólidos, com funções endócrinas e exócrinas.

# TESTÍCULOS

## ■ Orientação:

- Bovino, caprino e ovino:** Vertical;
- Garanhões e cães:** Horizontal;
- Cachaço e gatos:** Inclinação em direção ao ânus.



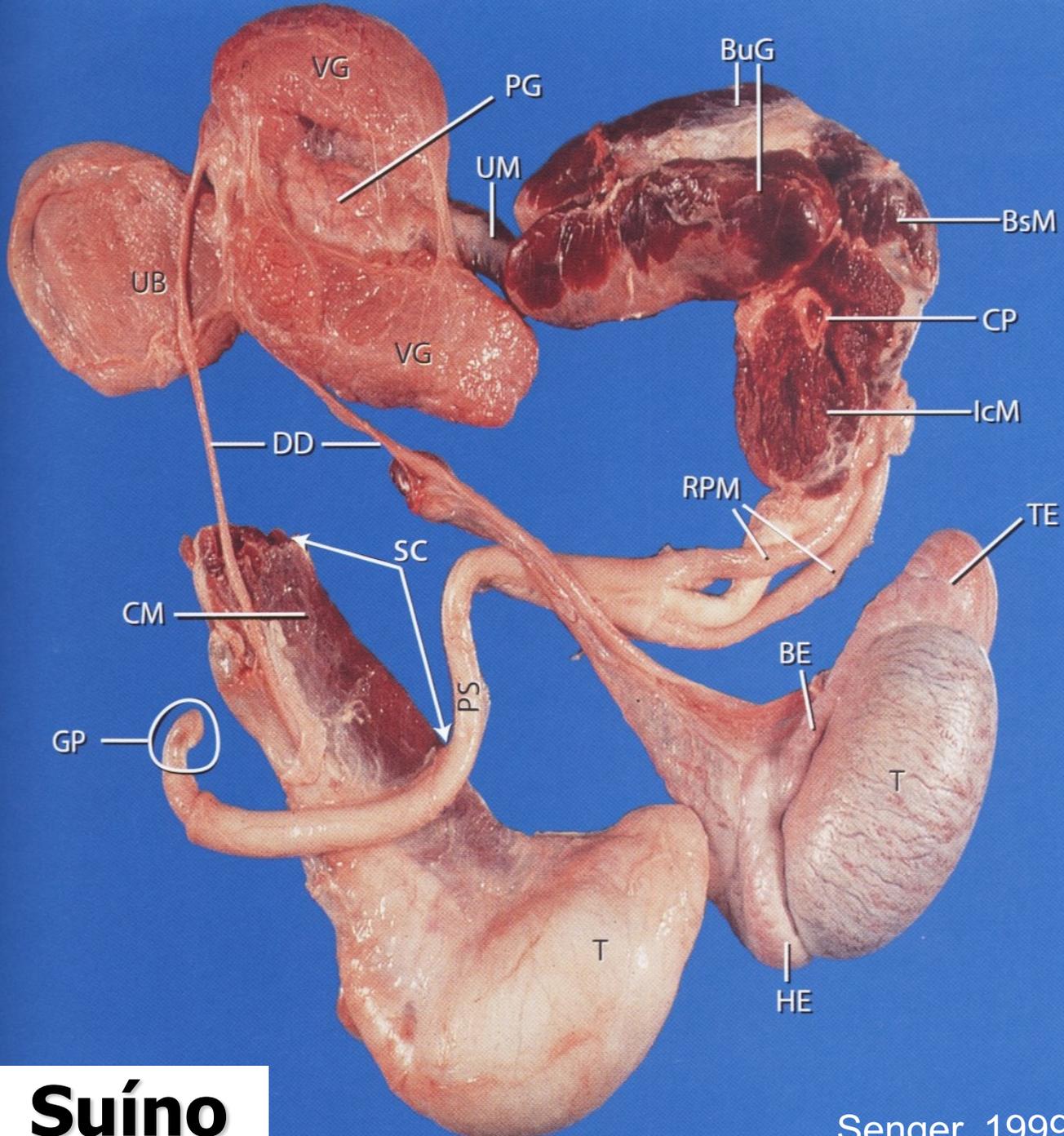
Vertical

**Bovino**

Senger, 1999



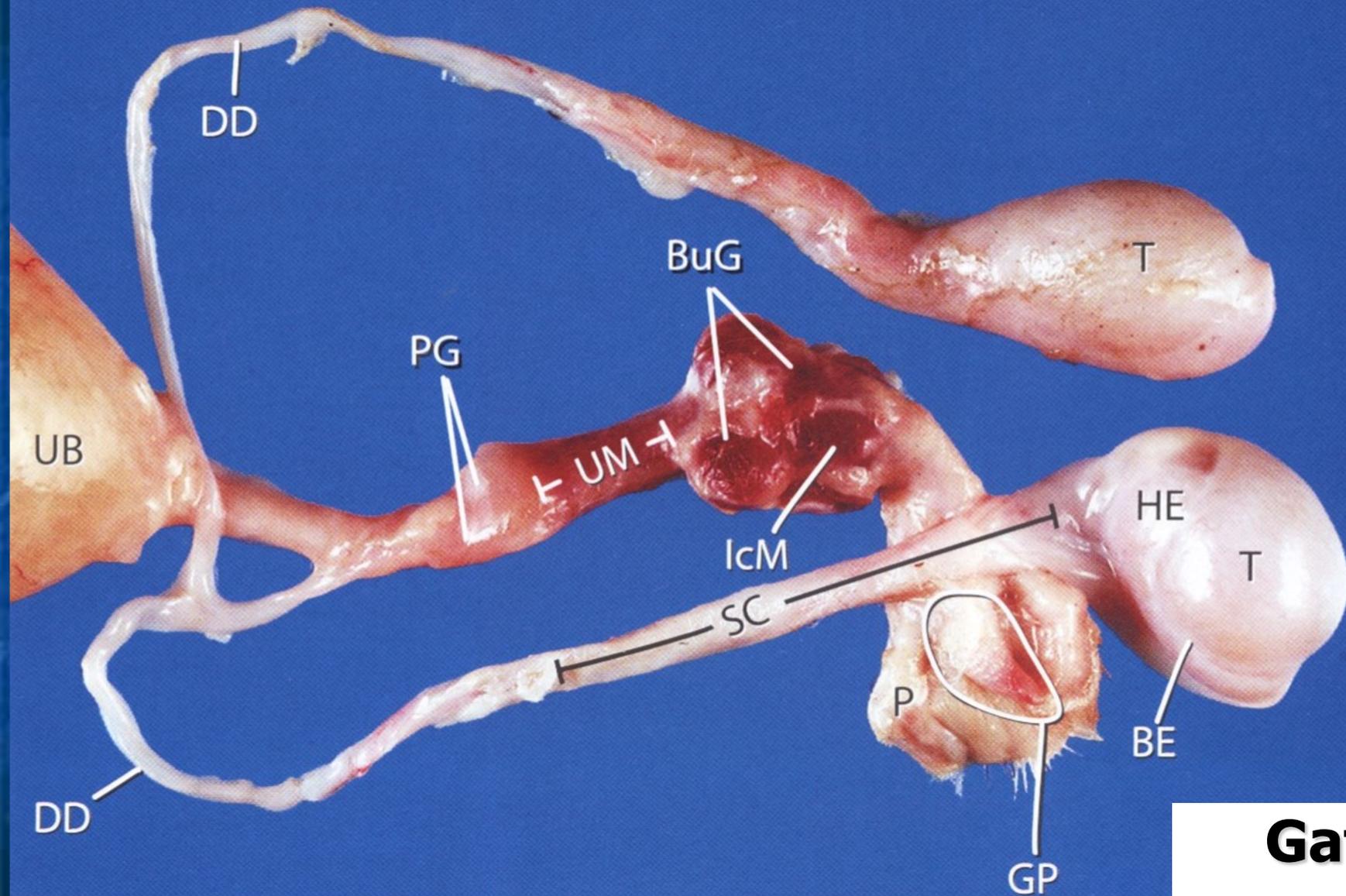
Inclinados



**Suíno**

Senger, 1999

# Inclinados

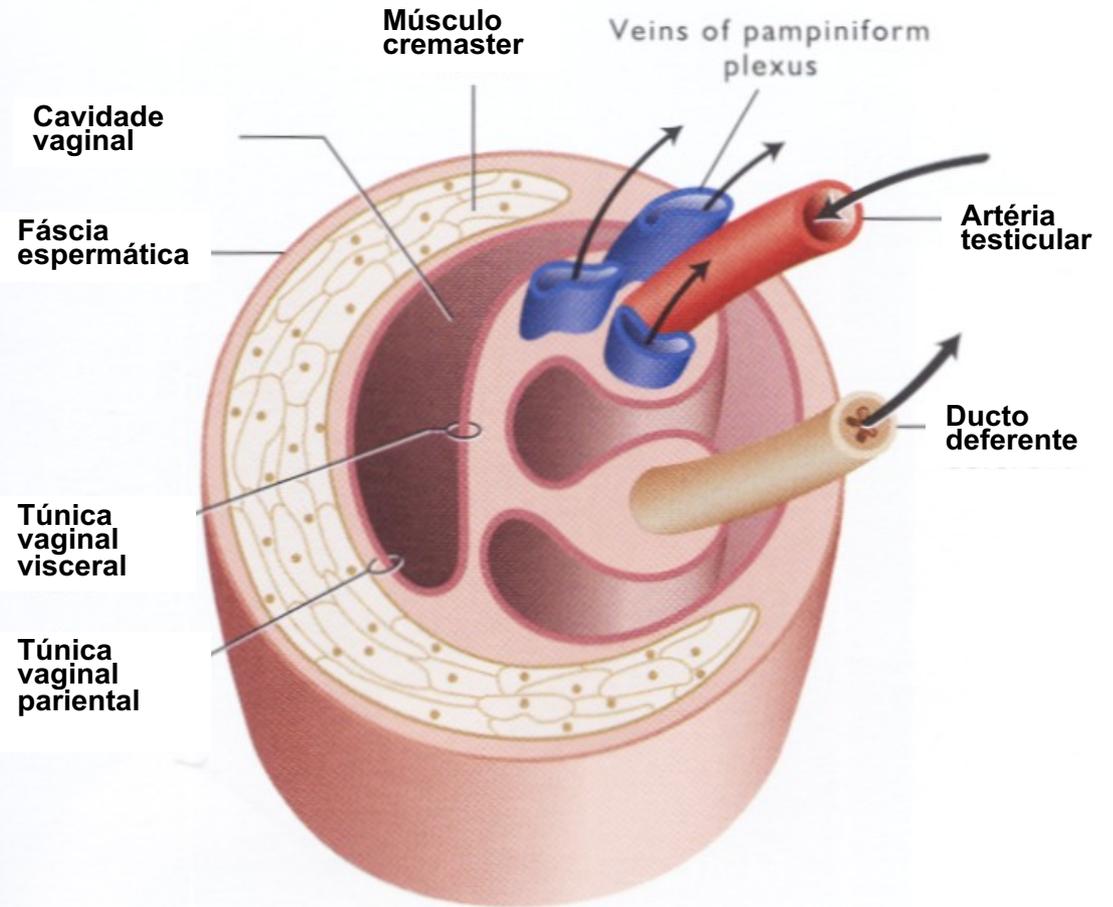
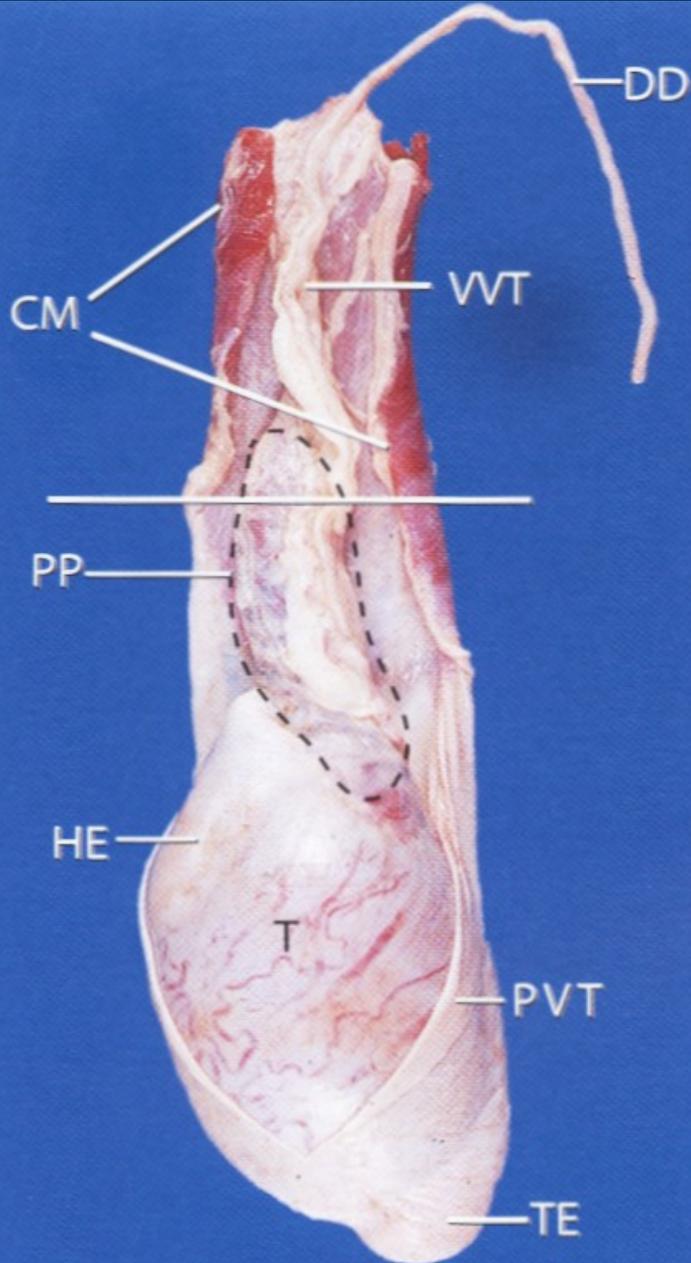


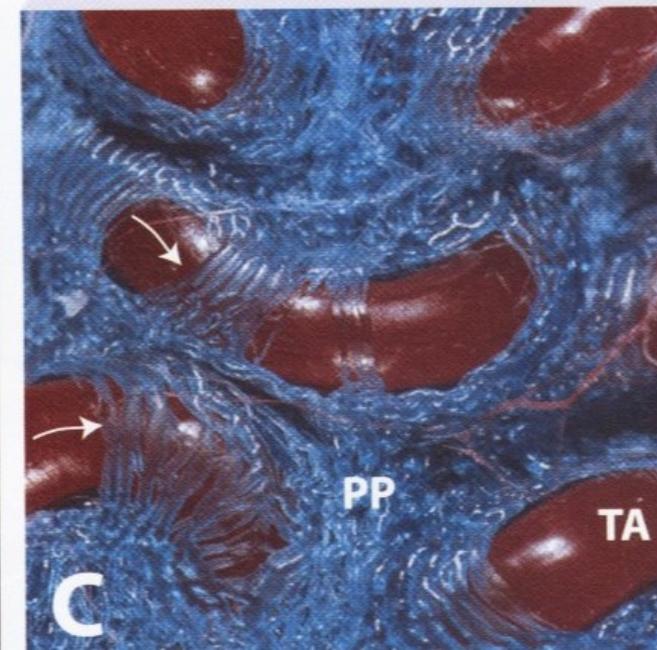
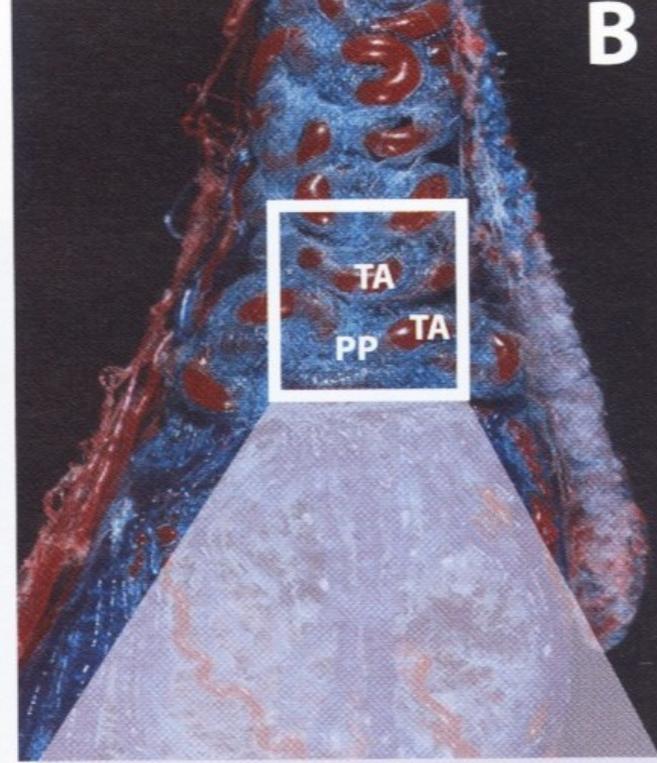
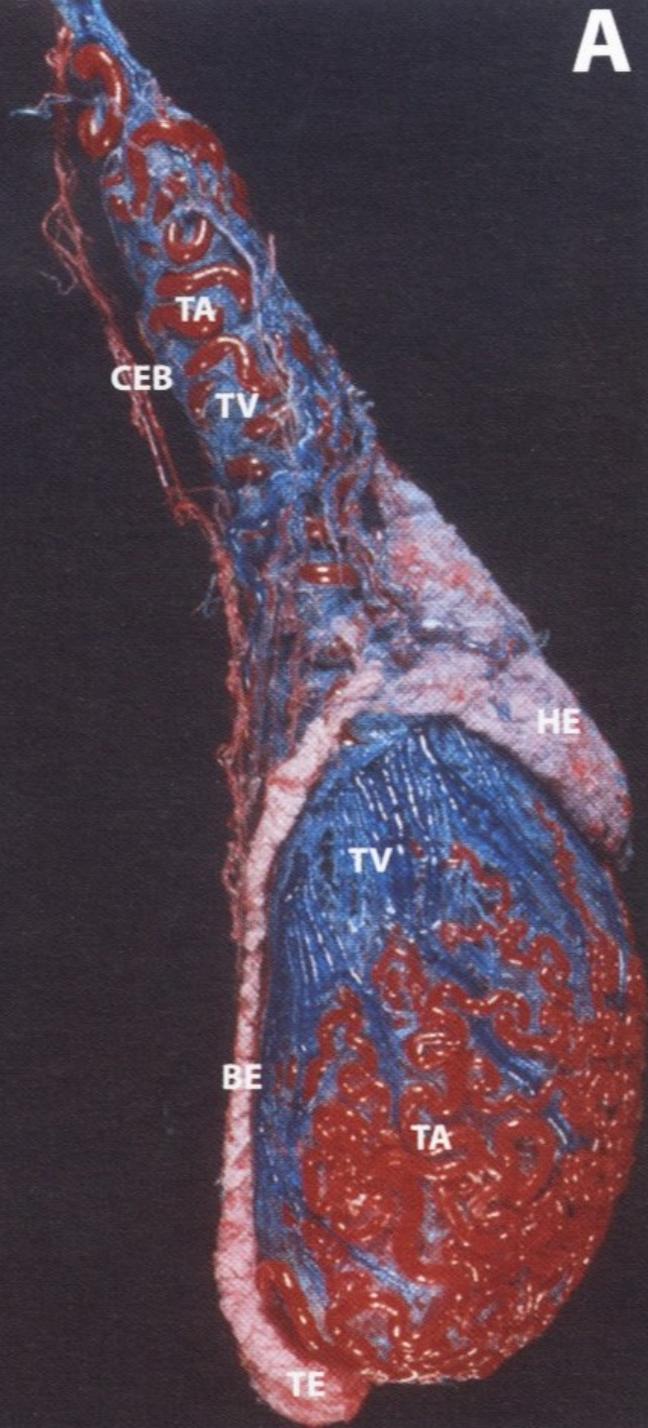
**Gato**

Senger, 1999

# **Constituintes Anatômicos**

# Sustentação

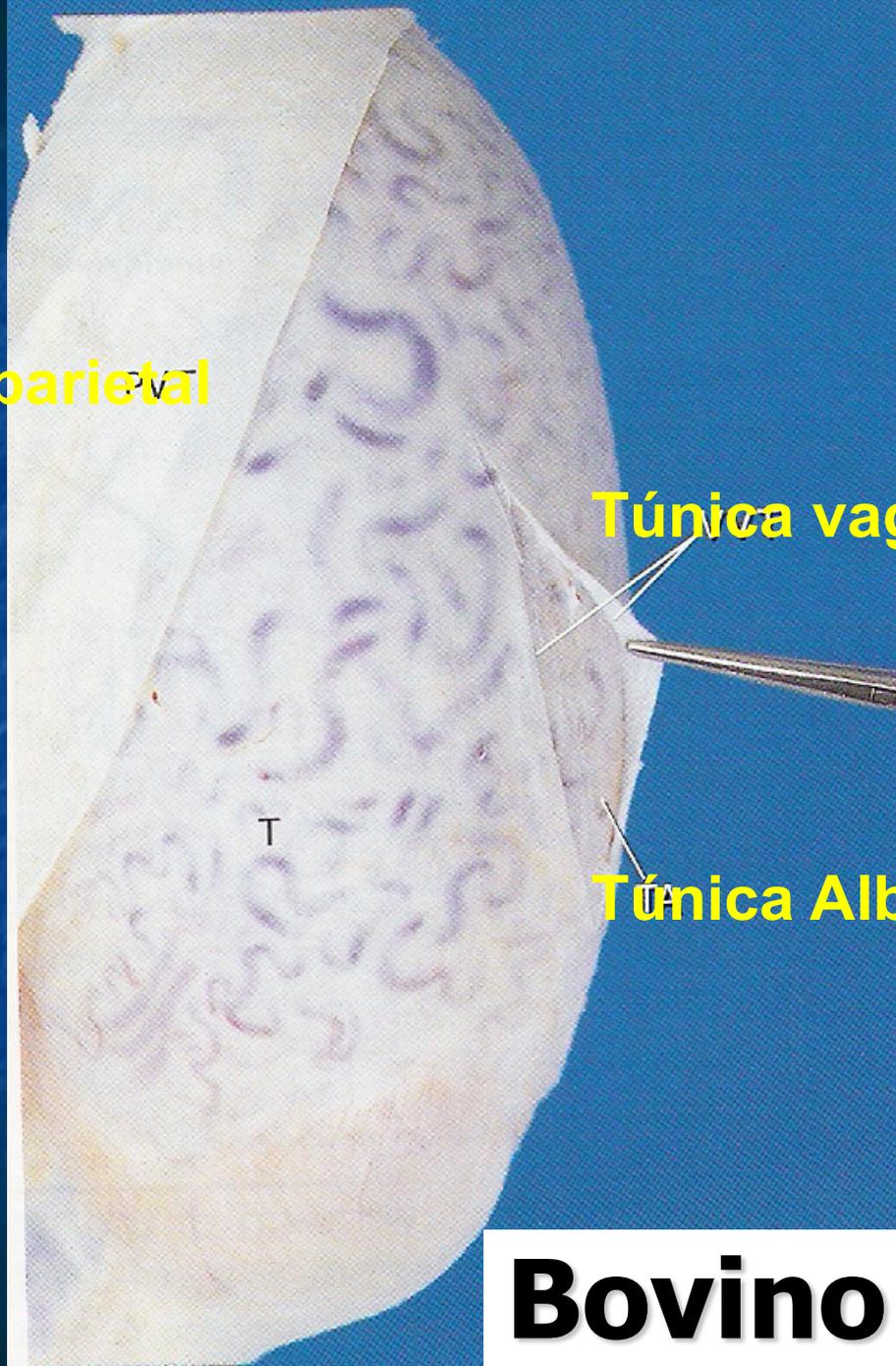




**Túnica vaginal parietal**

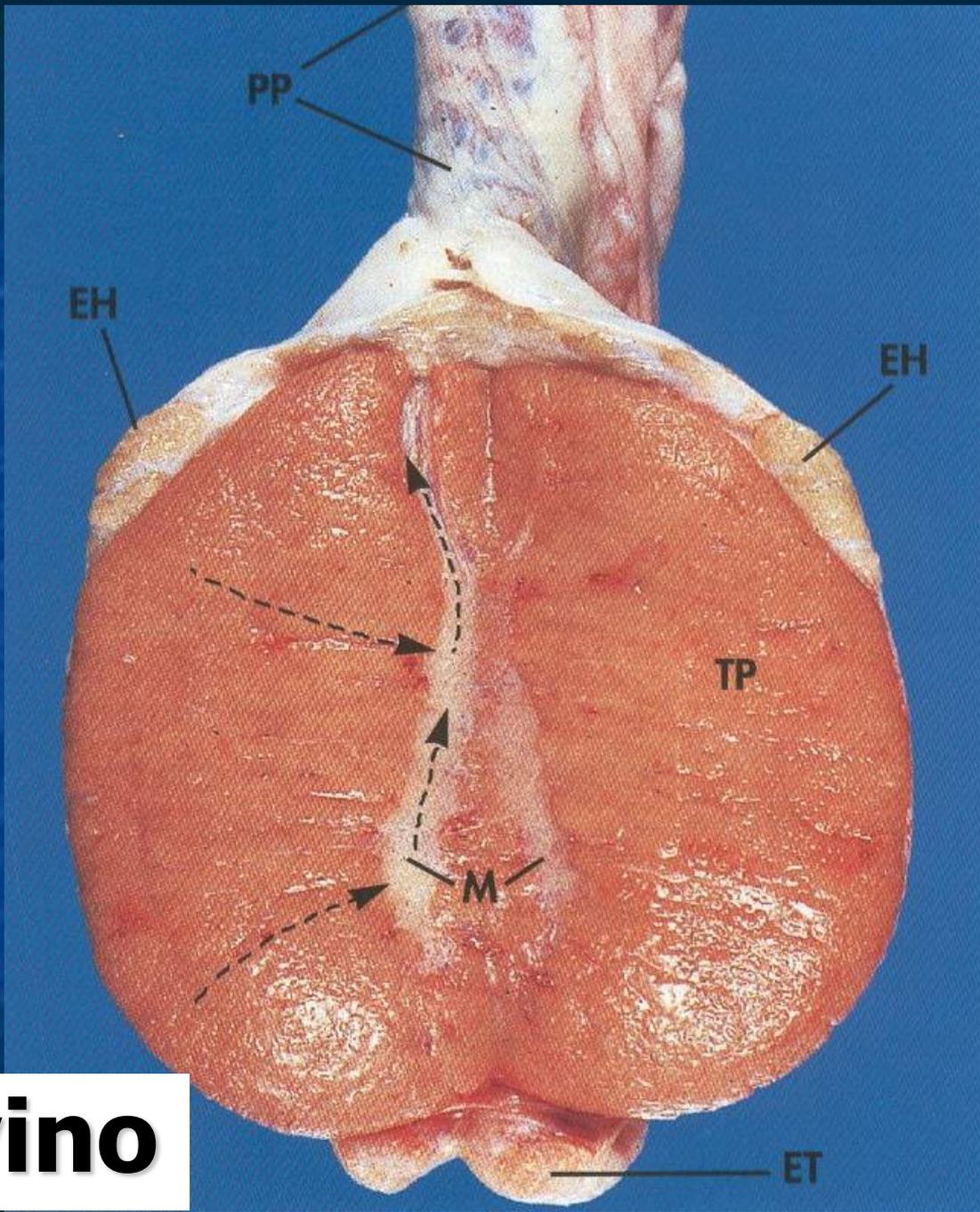
**Túnica vaginal visceral**

**Túnica Albugínea**

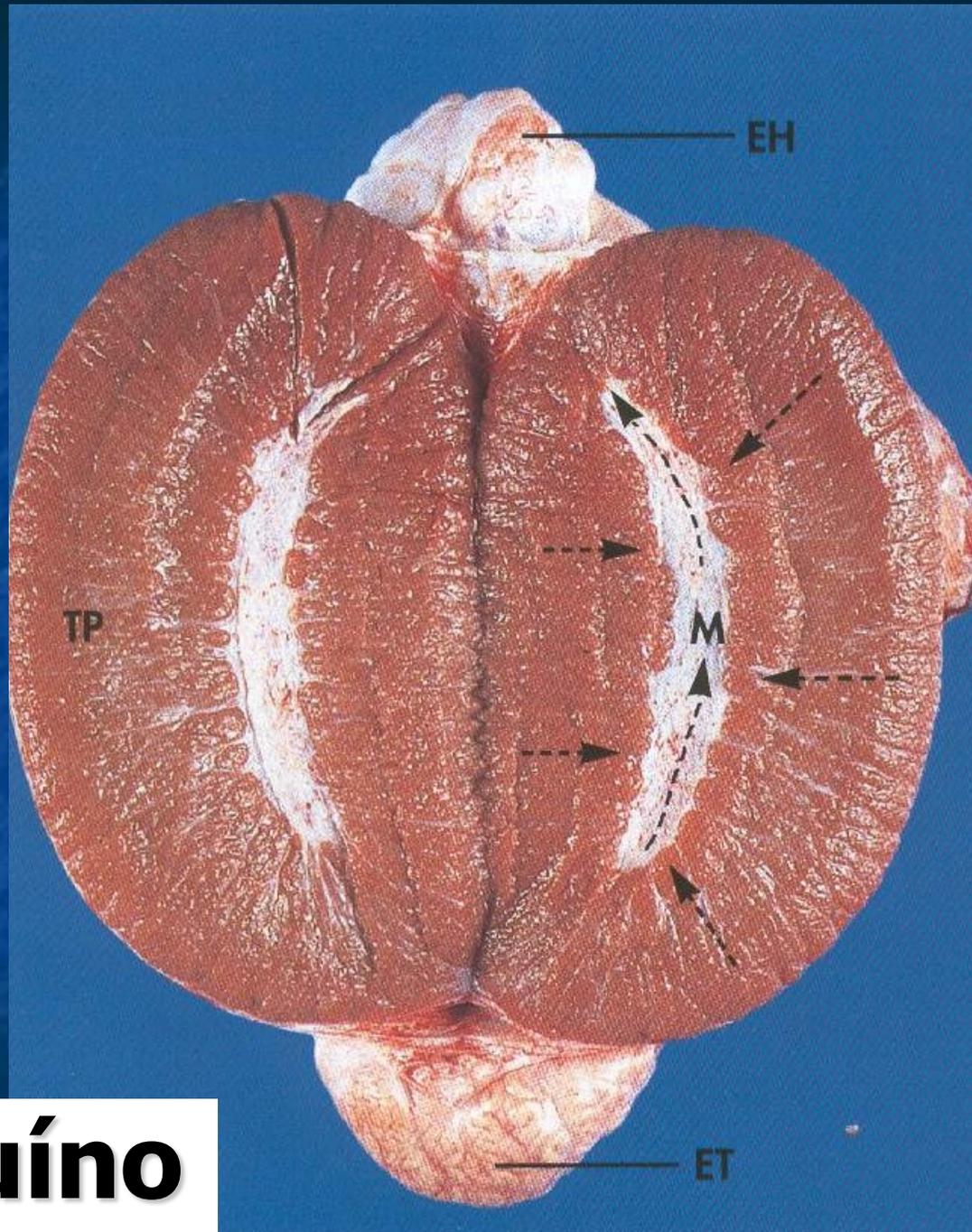


**Bovino**

Senger, 1999



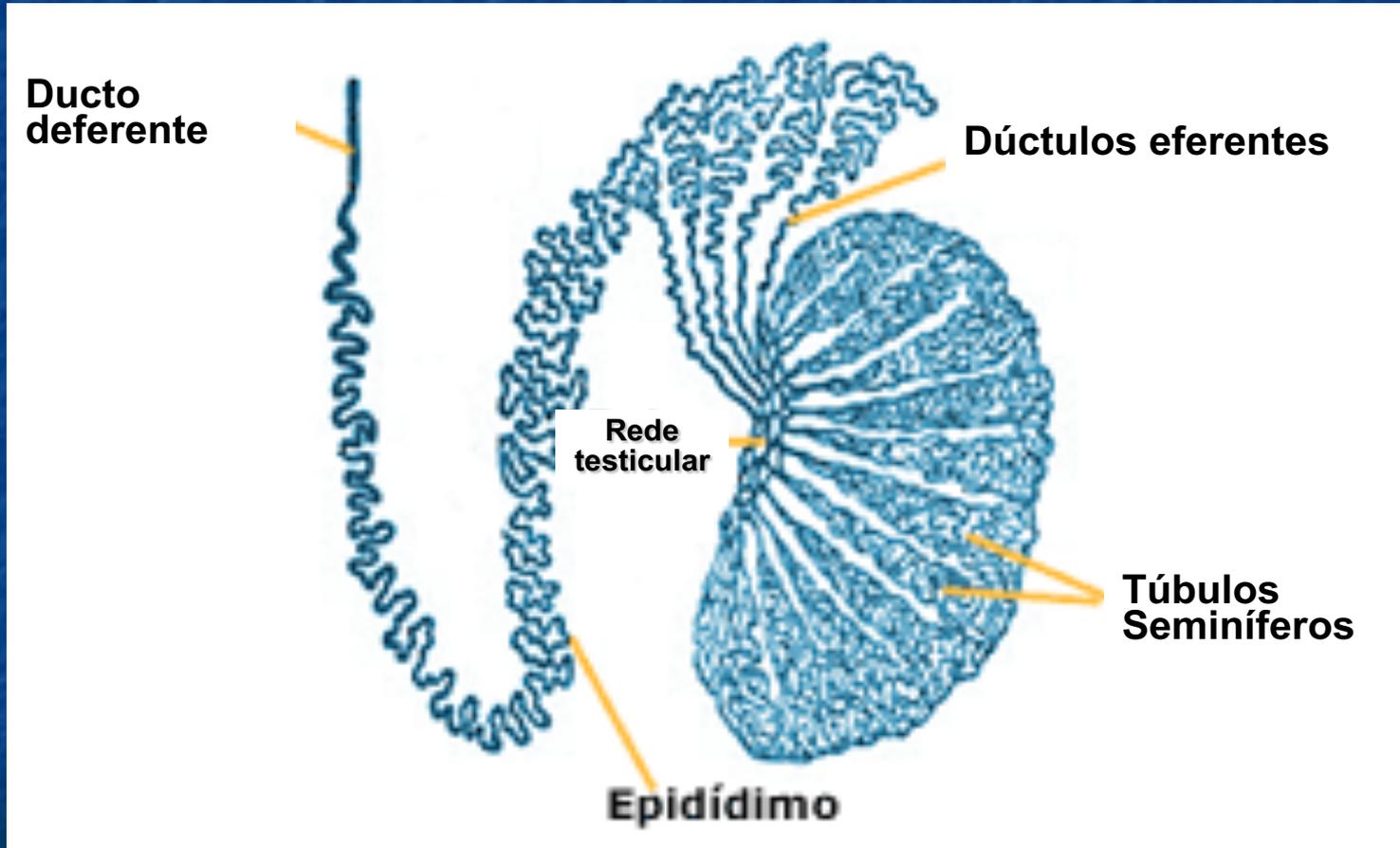
**Bovino**

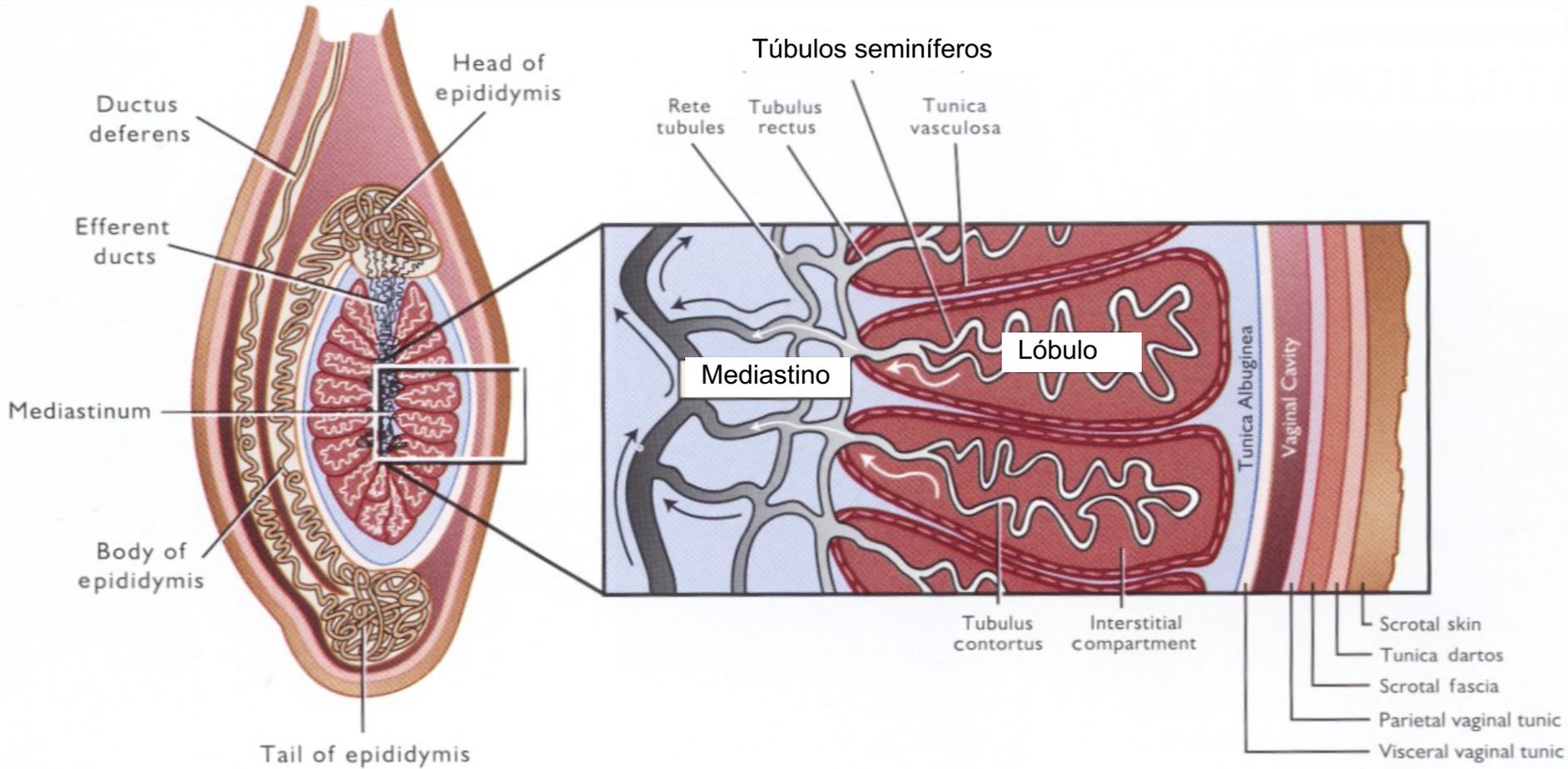


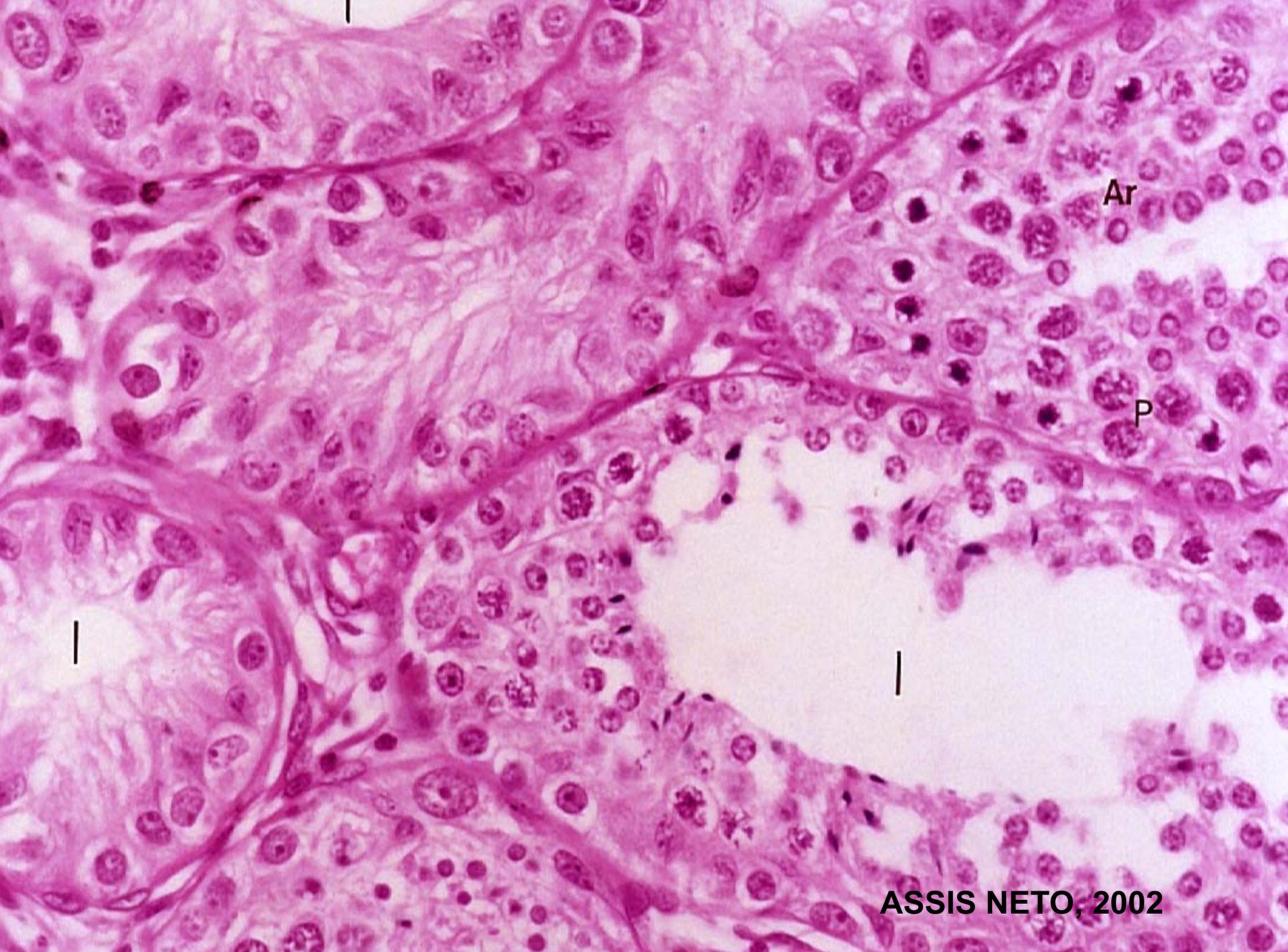
# Suíno

# **Vias Espermáticas**

# Vias Espermáticas

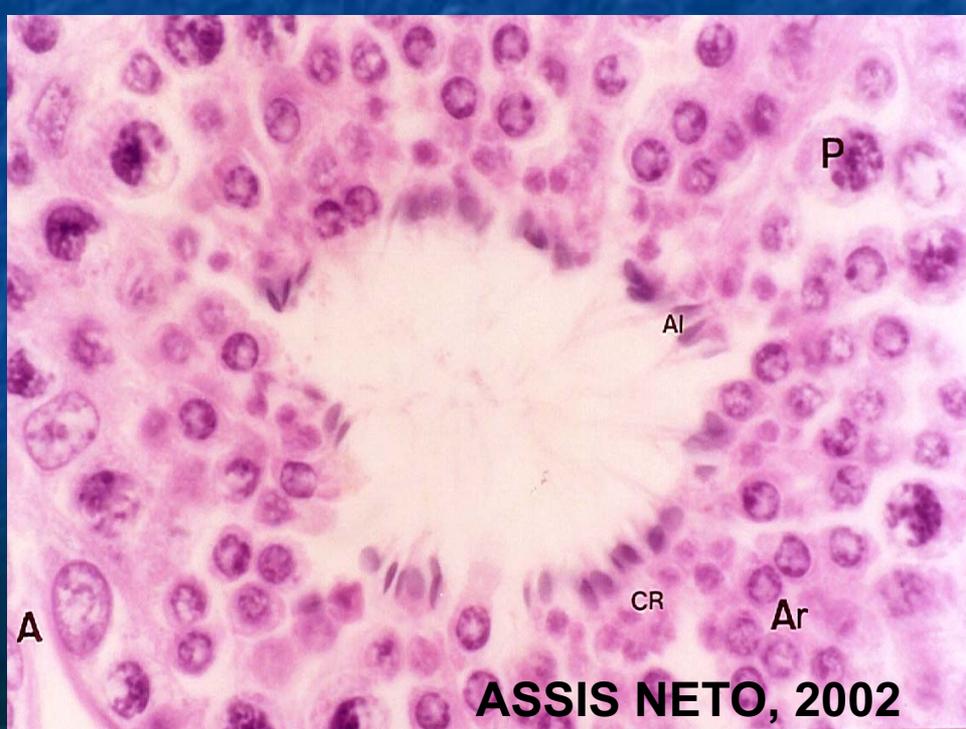
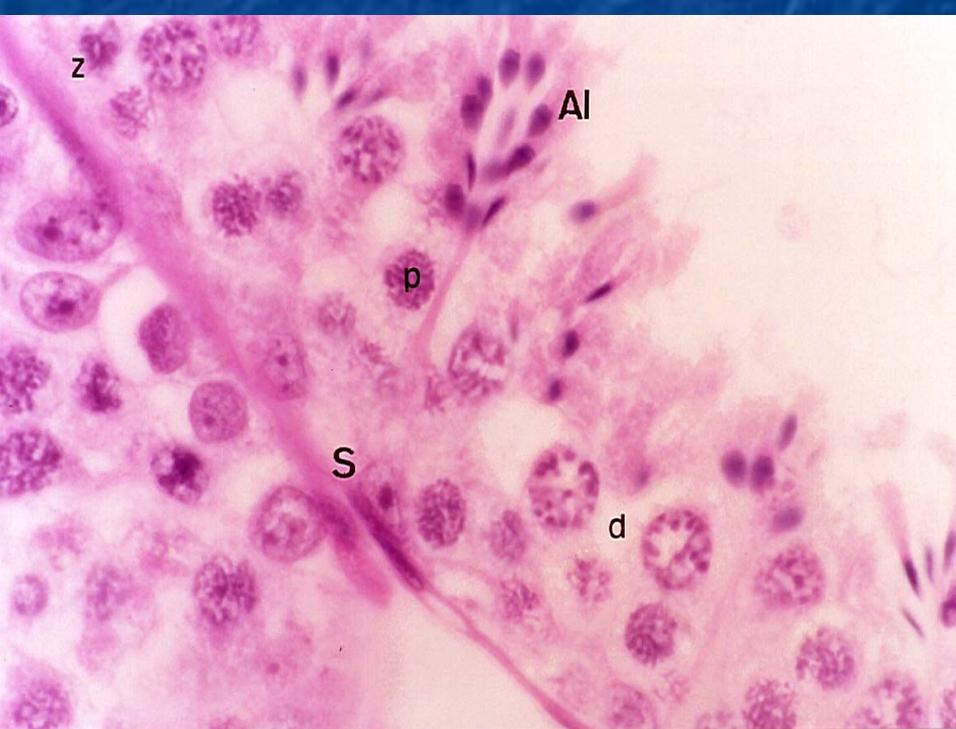
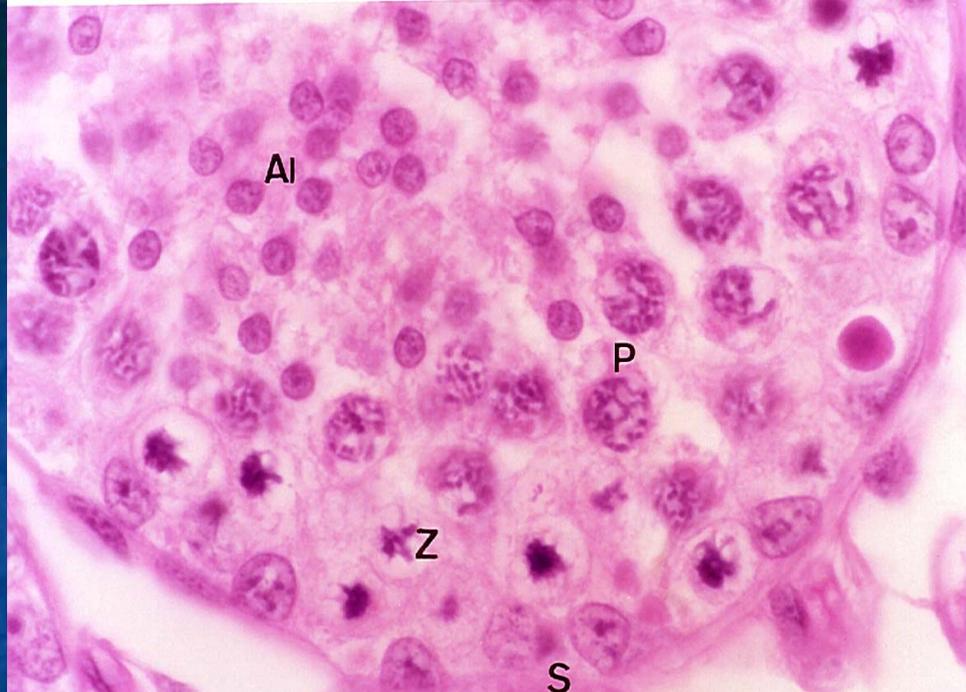






Ar

P

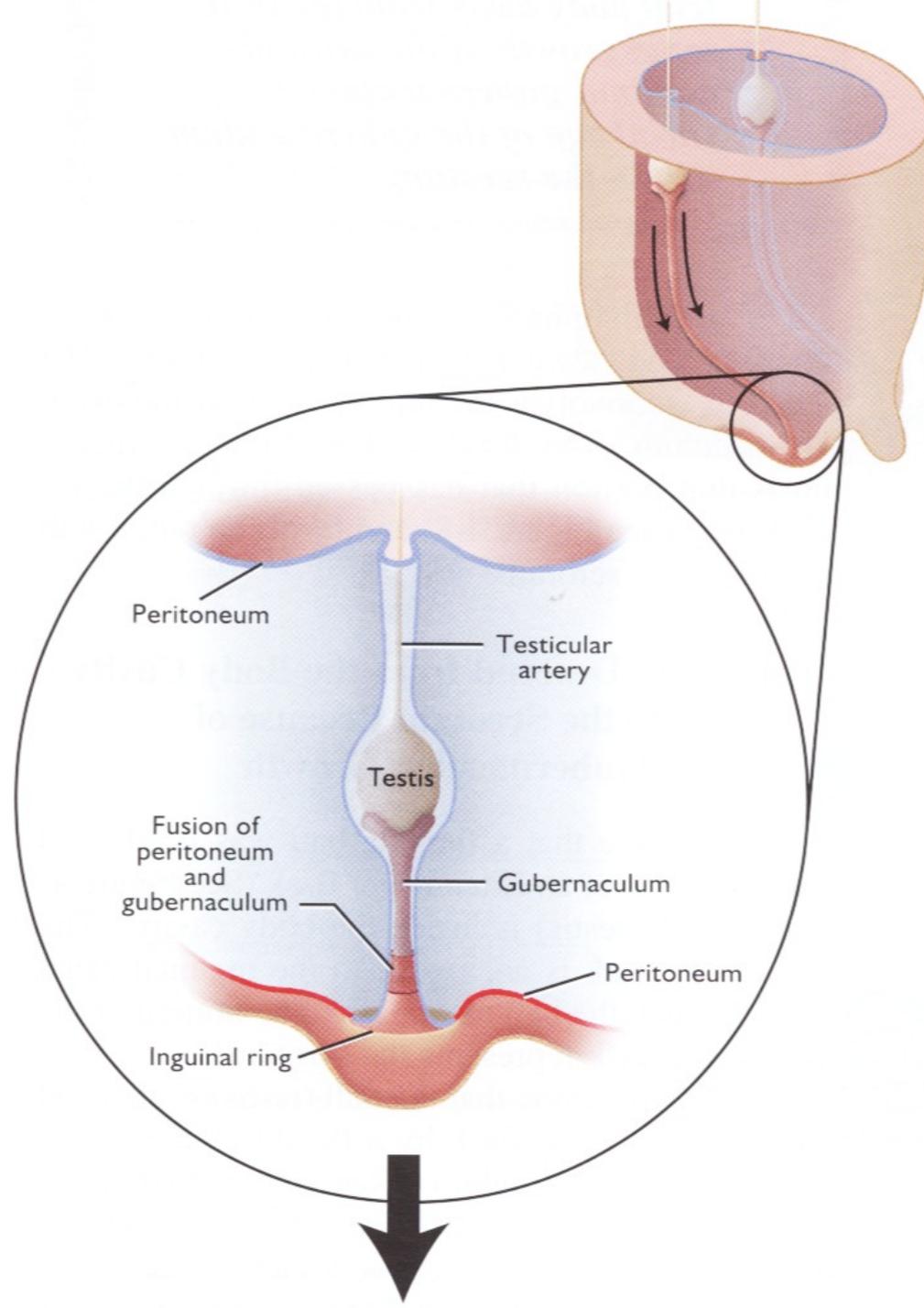


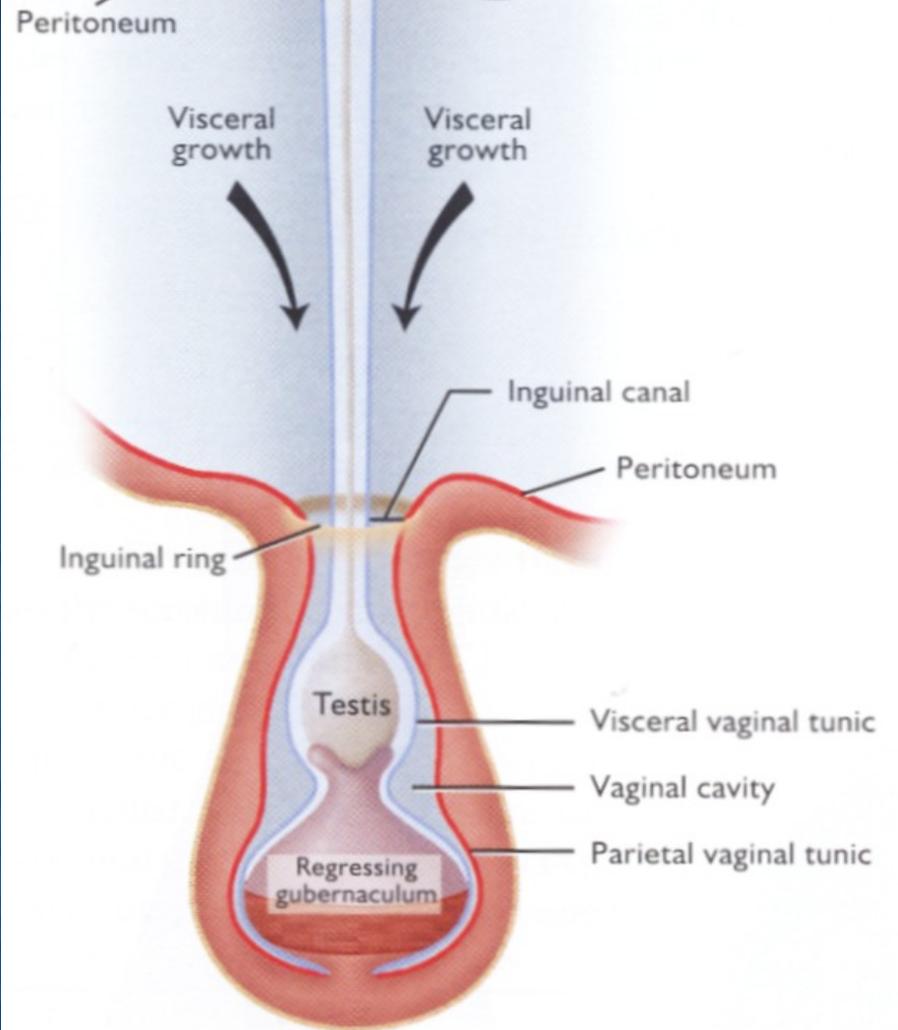
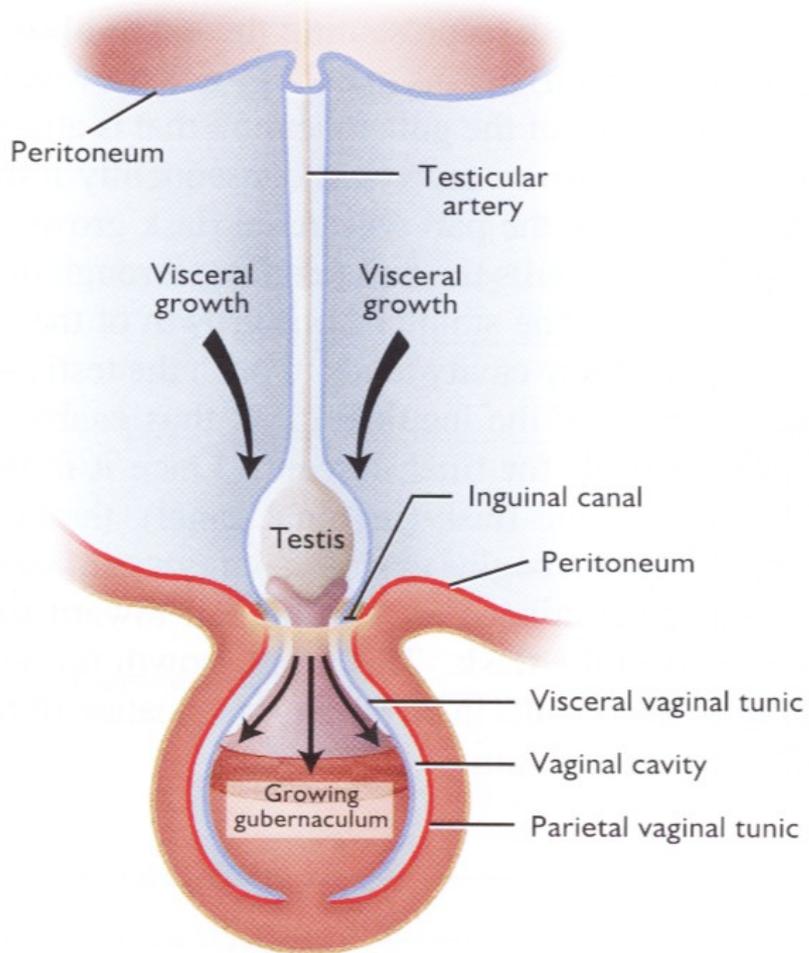
# Descida Testicular

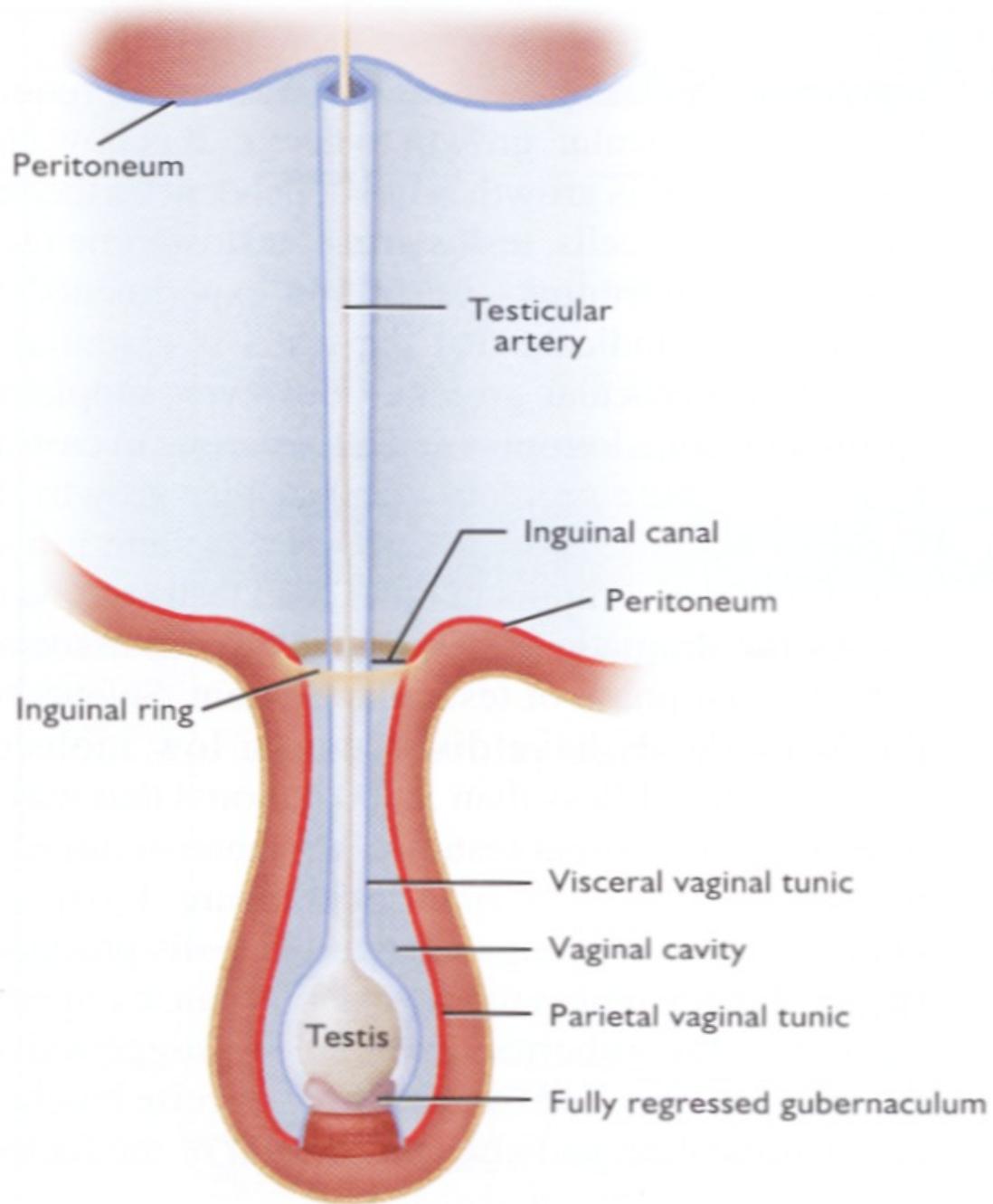
- **Conceito:**

- É o processo no qual os testículos migram do abdome para o escroto.

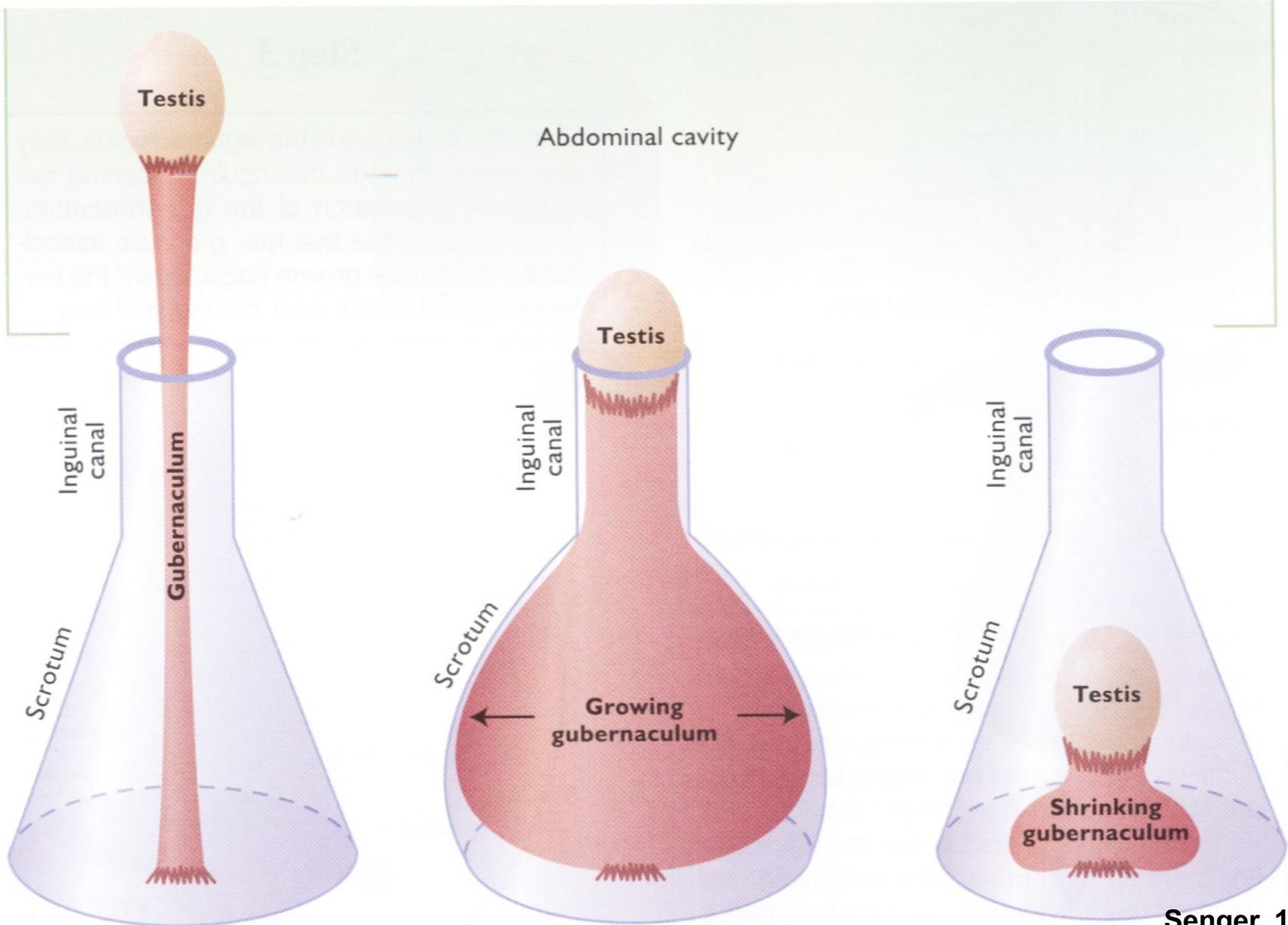
- **Importância clínica:**





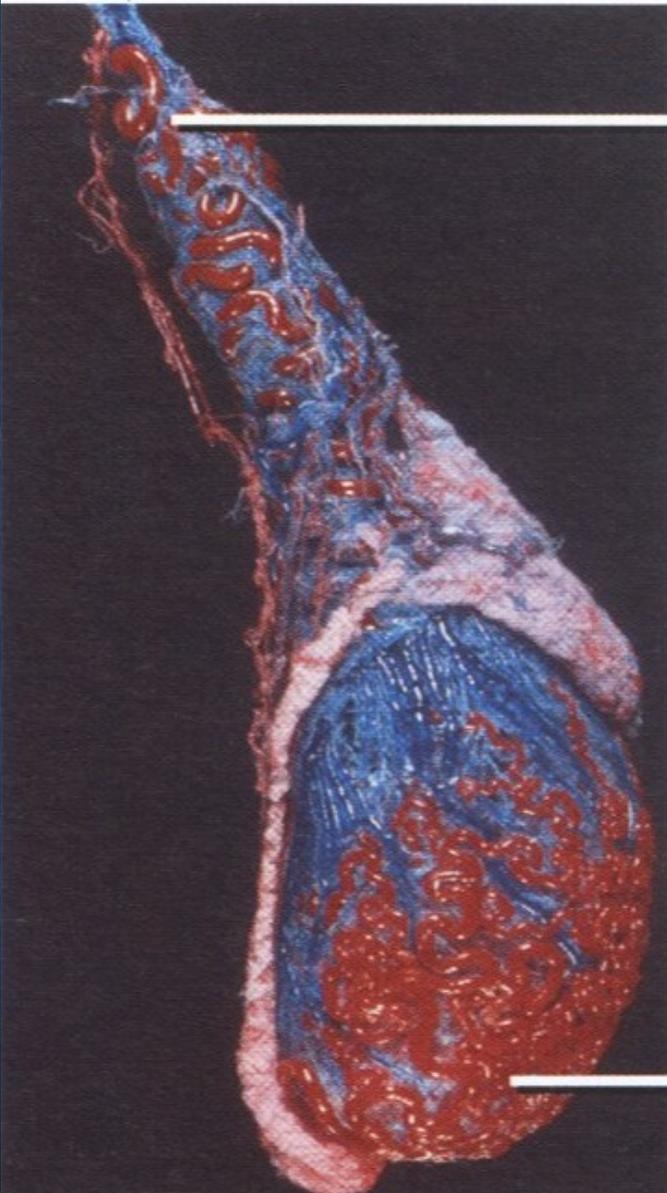


**Figure 4-9.** Example of Testicular Descent Using a Ball and Flask Model  
(Derived from discussions with Dr. C.J.G. Wensing, College of Veterinary Medicine,  
State University Utrecht, The Netherlands.)



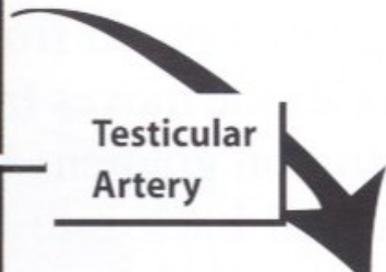
# **Mecanismos Morfofuncionais da termorregulação testicular**

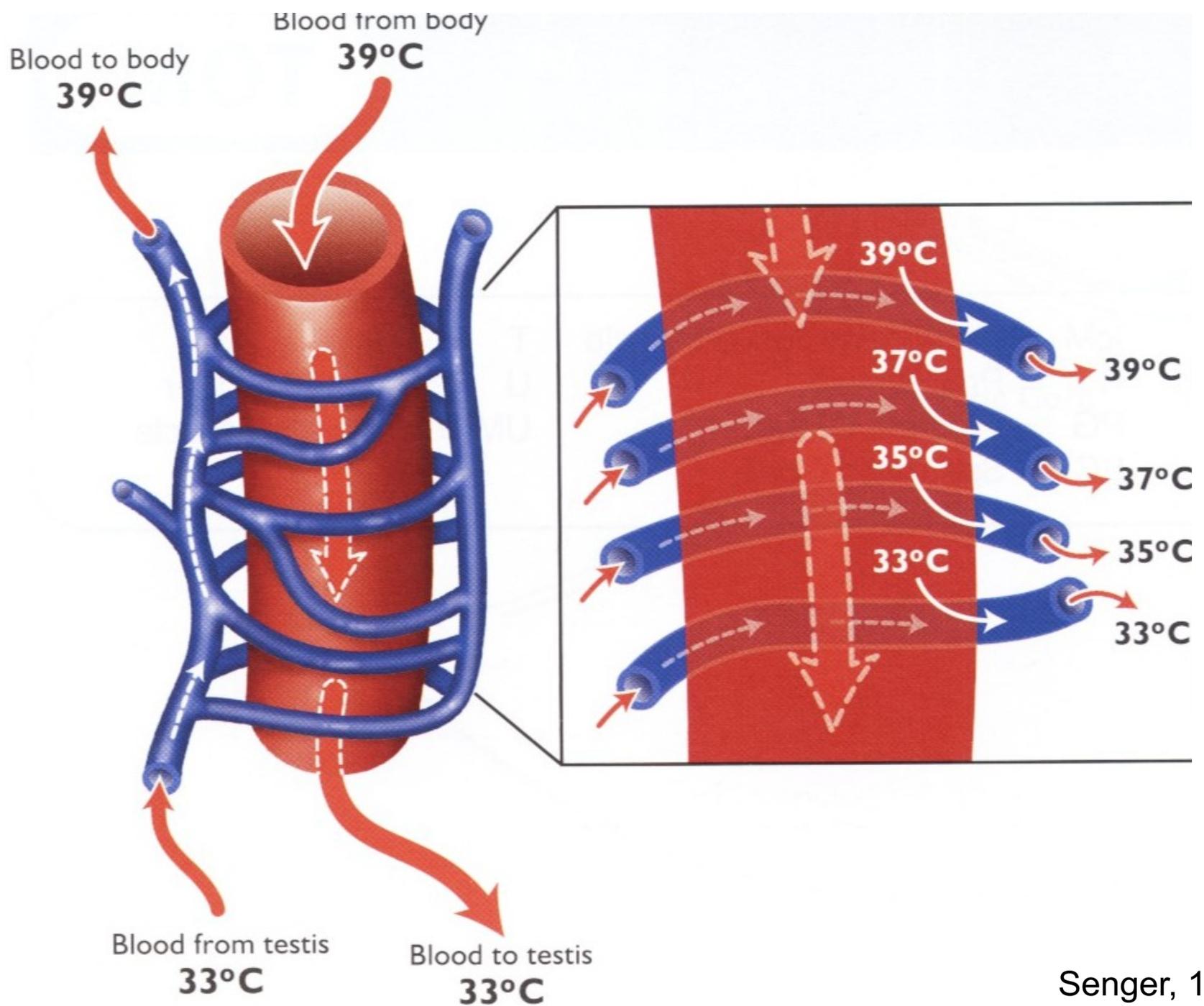
Blood Flow



Testicular  
Artery

Testicular  
Artery





# EPIDÍDIMO

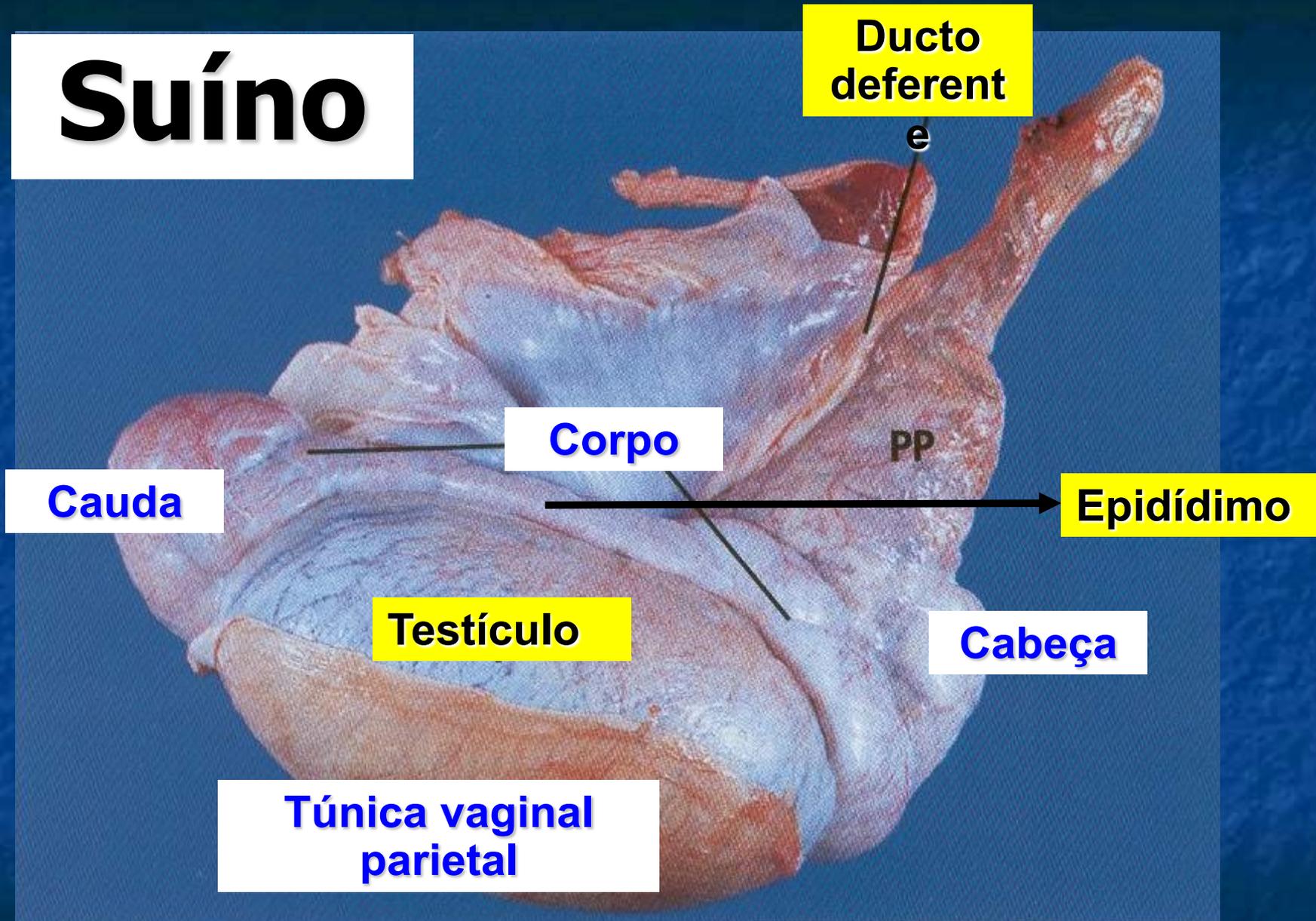
## ■ Conceito

- Estrutura ductal extragonadal, que transporta e armazena os espermatozóides.

## ■ Divisão Anatômica:

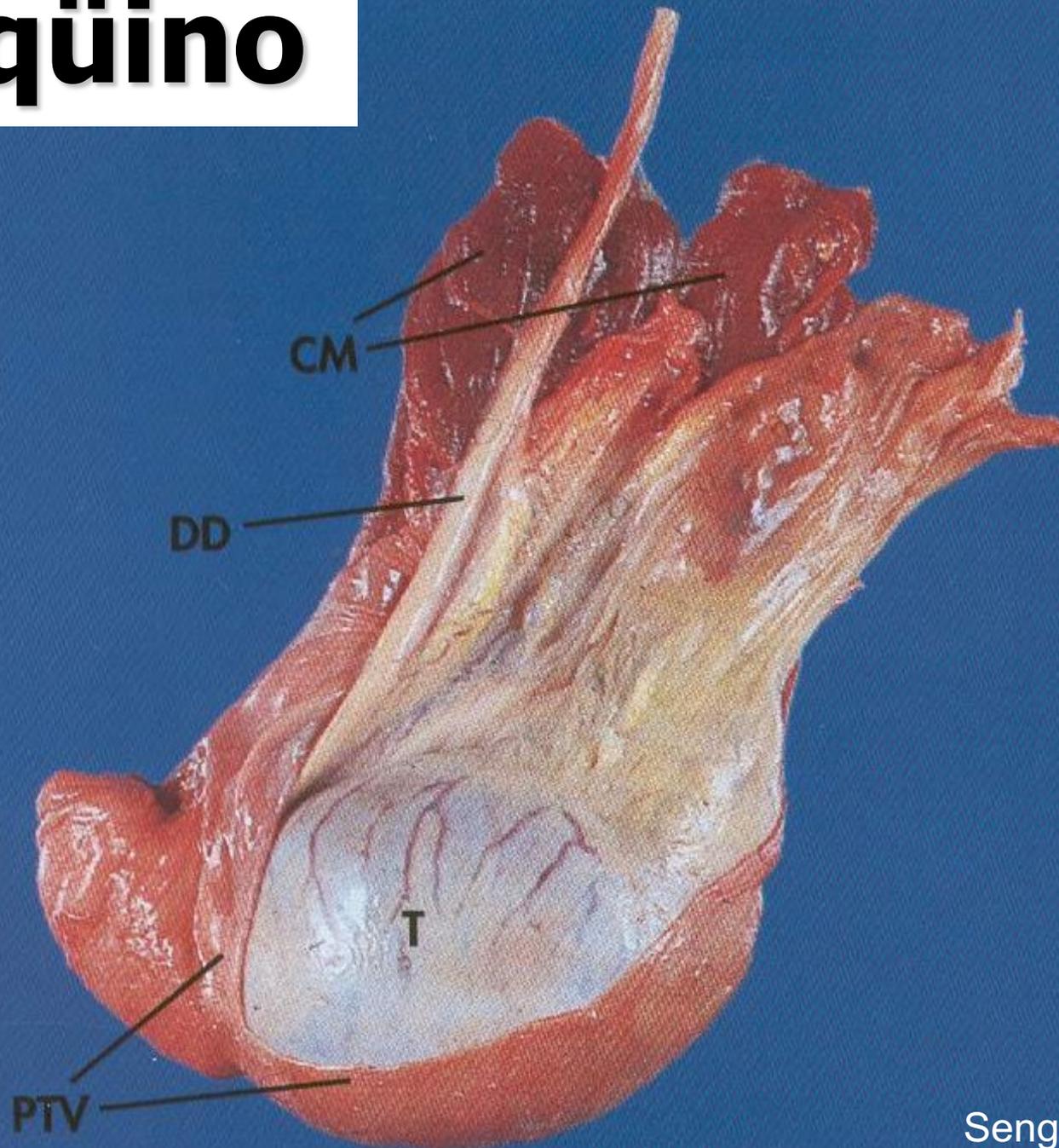
- cabeça;
- corpo;
- cauda.

# Suíno



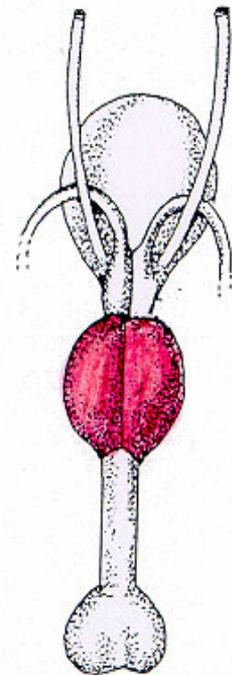
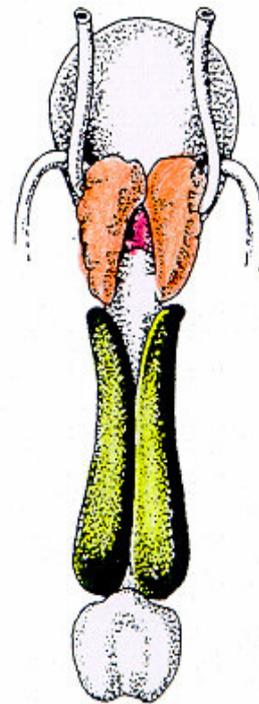
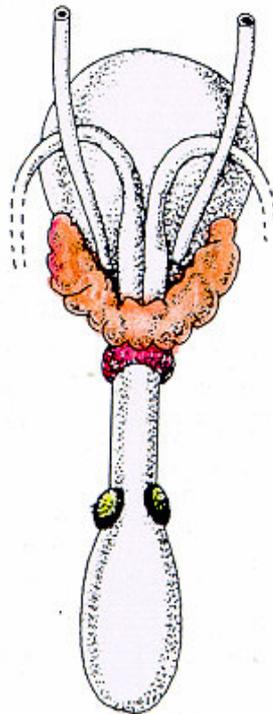
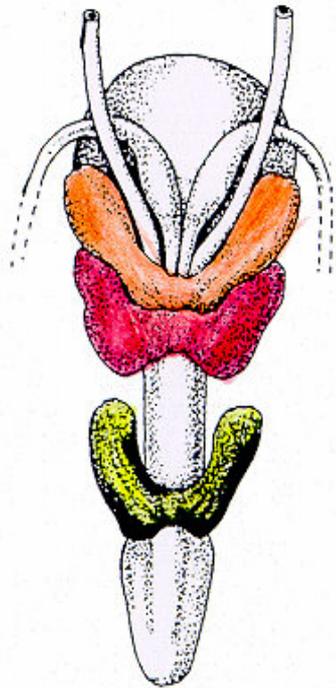
# **3 DUCTO DEFERENTE**

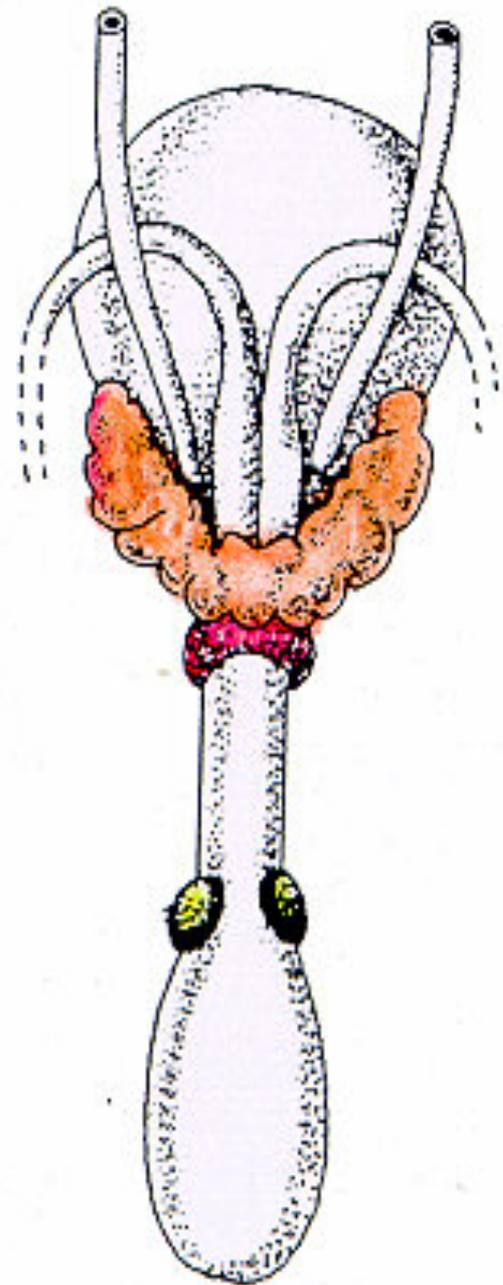
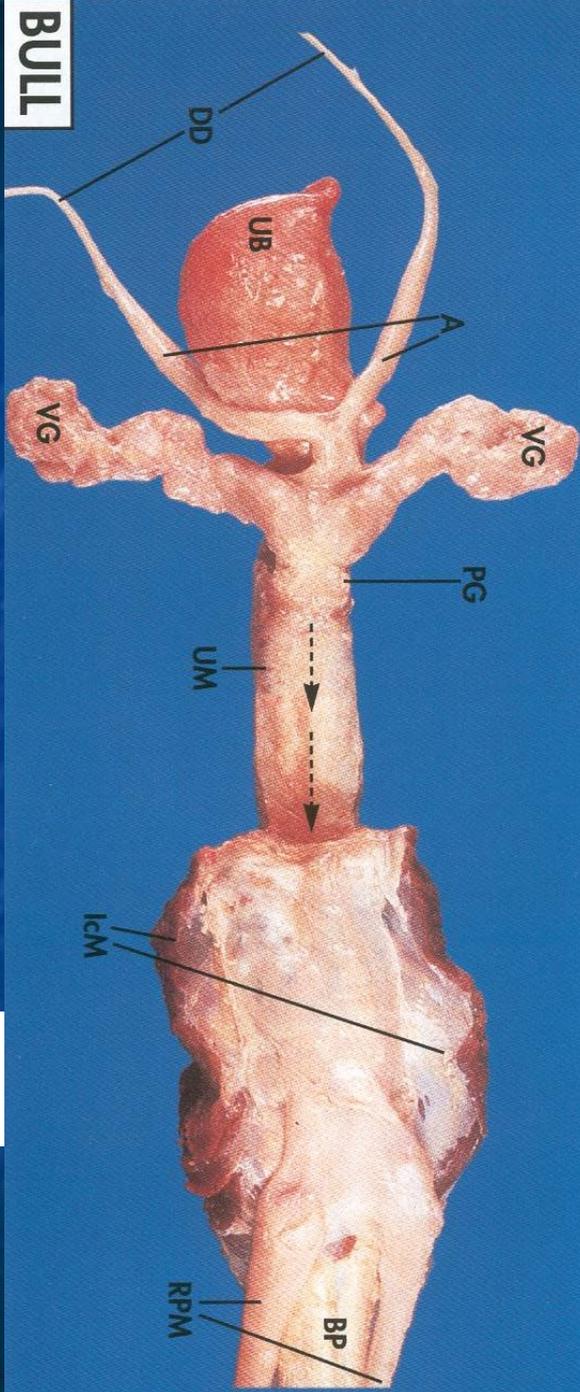
# Eqüino



# GLÂNDULAS ACESSÓRIAS

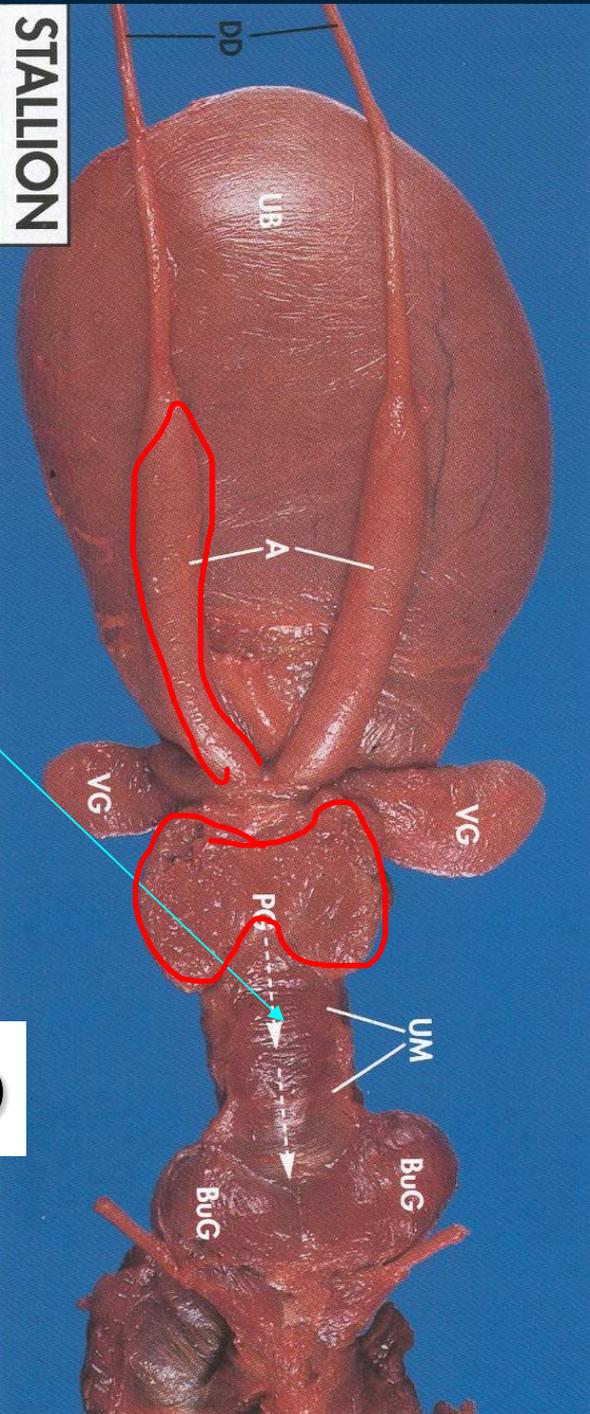
- **Funções:** contribuição para o volume do sêmen durante o transporte dos espermatozóides.
- **Próstata;**
- **Glândula ampular ou ampola do ducto deferente;**
- **Glândula vesicular;**
- **Glândula bulbouretral.**





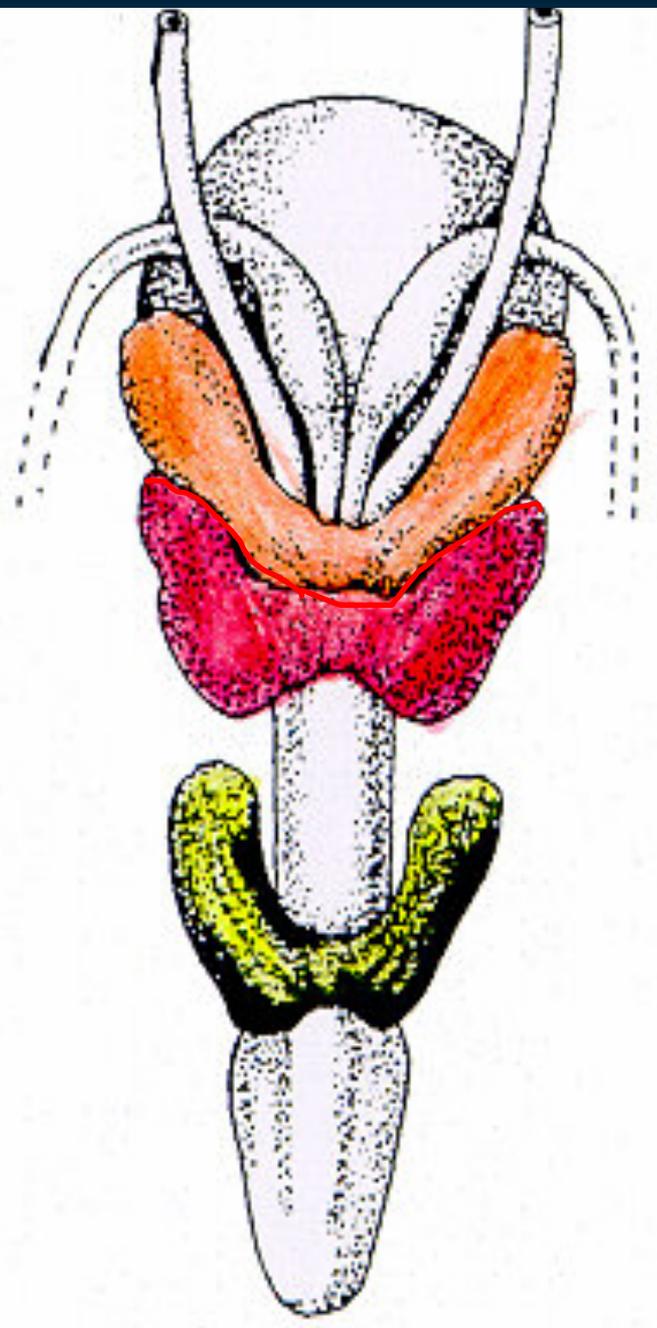
# Bovino

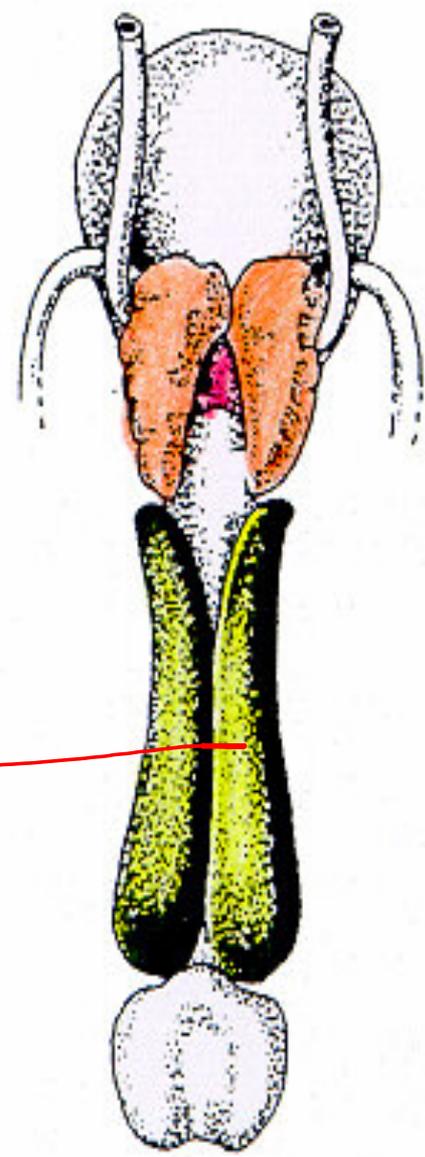
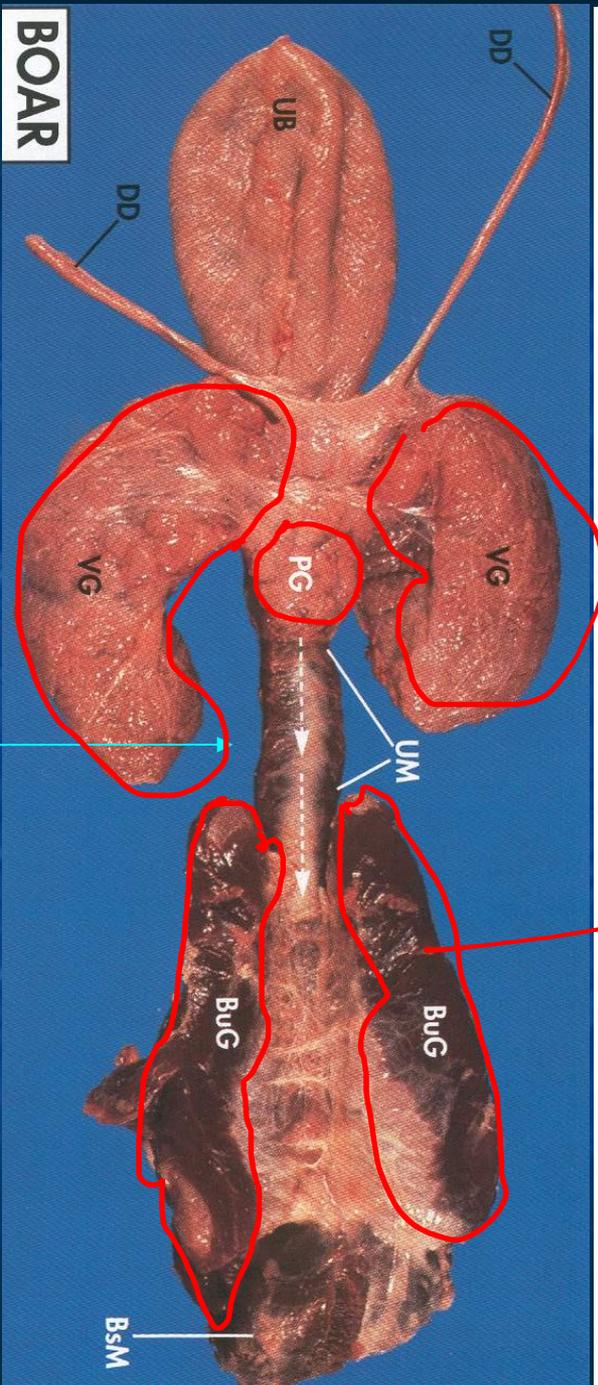
**STALLION**



Uretra

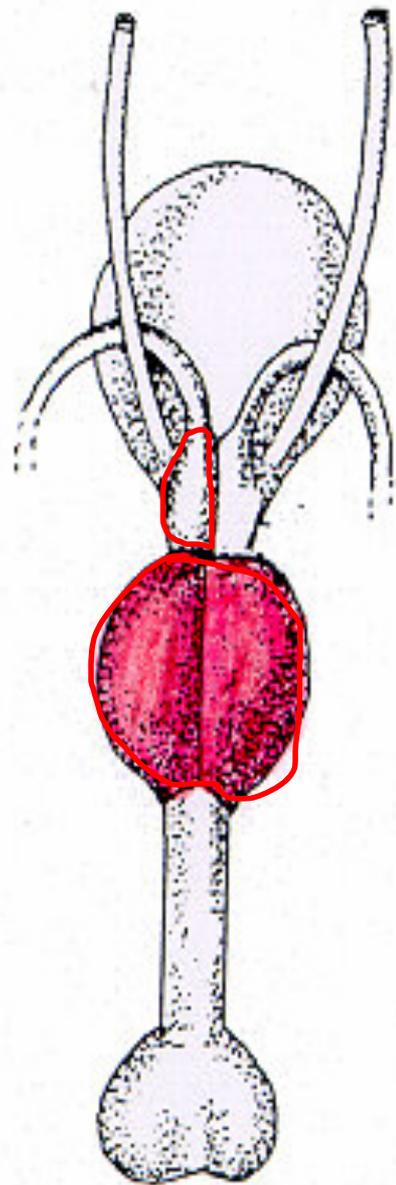
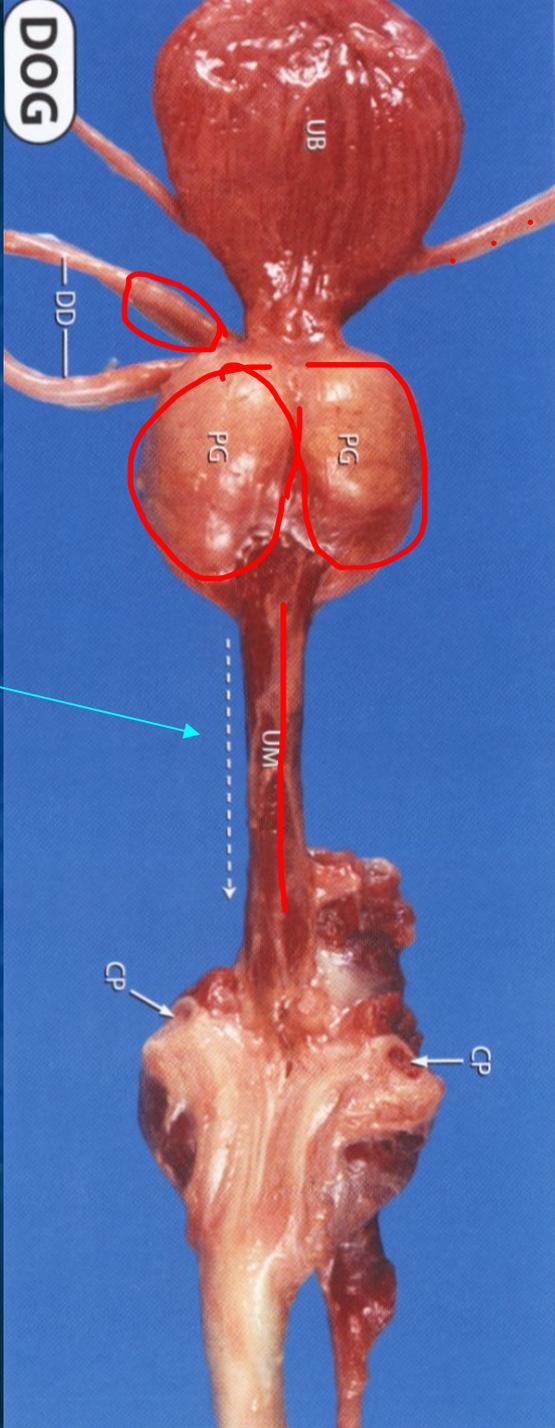
**Eqüino**



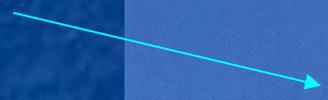


Uretra

**Suíno**

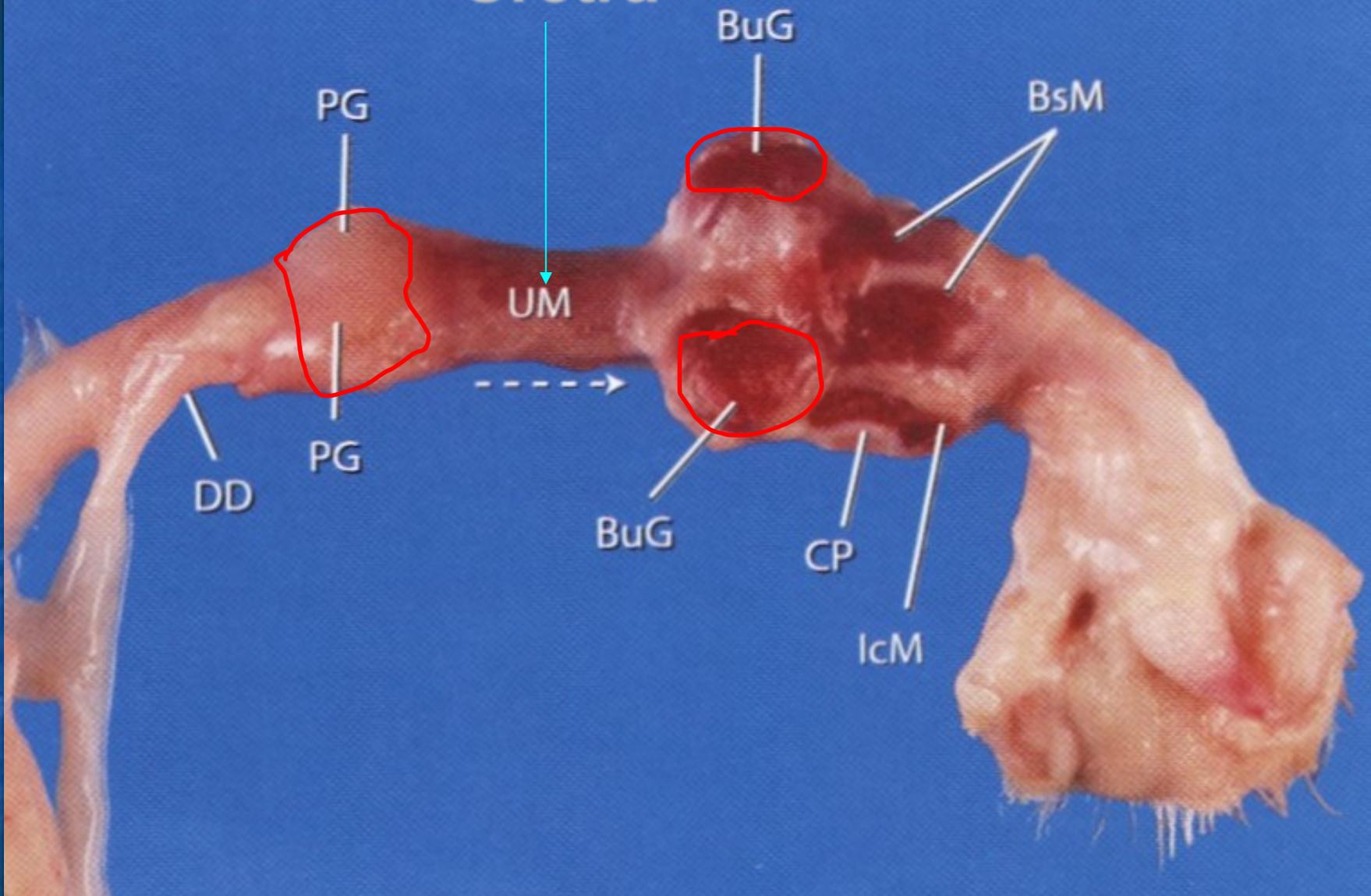


Uretra



**Cão**

# Uretra



**Gato**

# URETRA MASCULINA

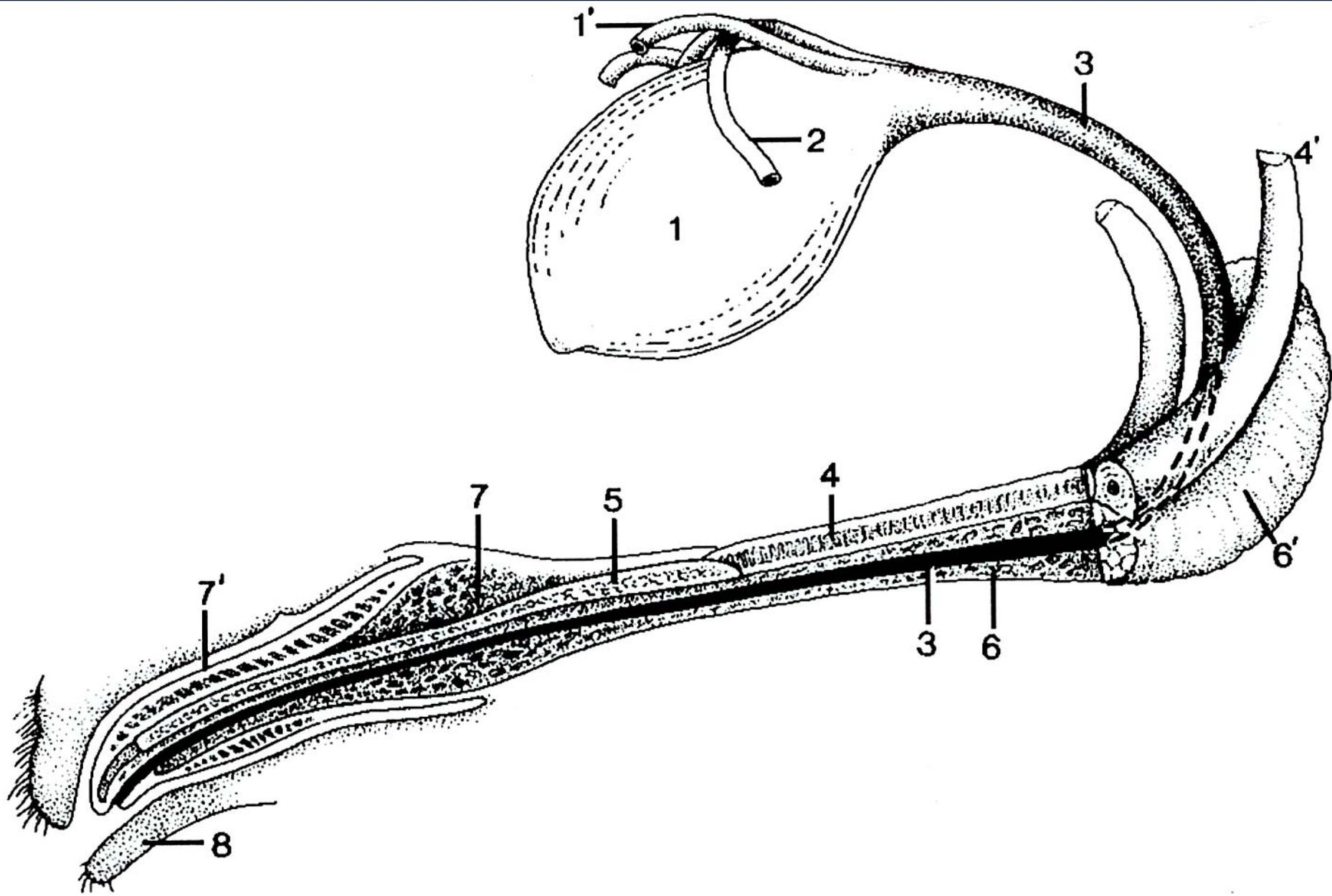
## ■ Conceito

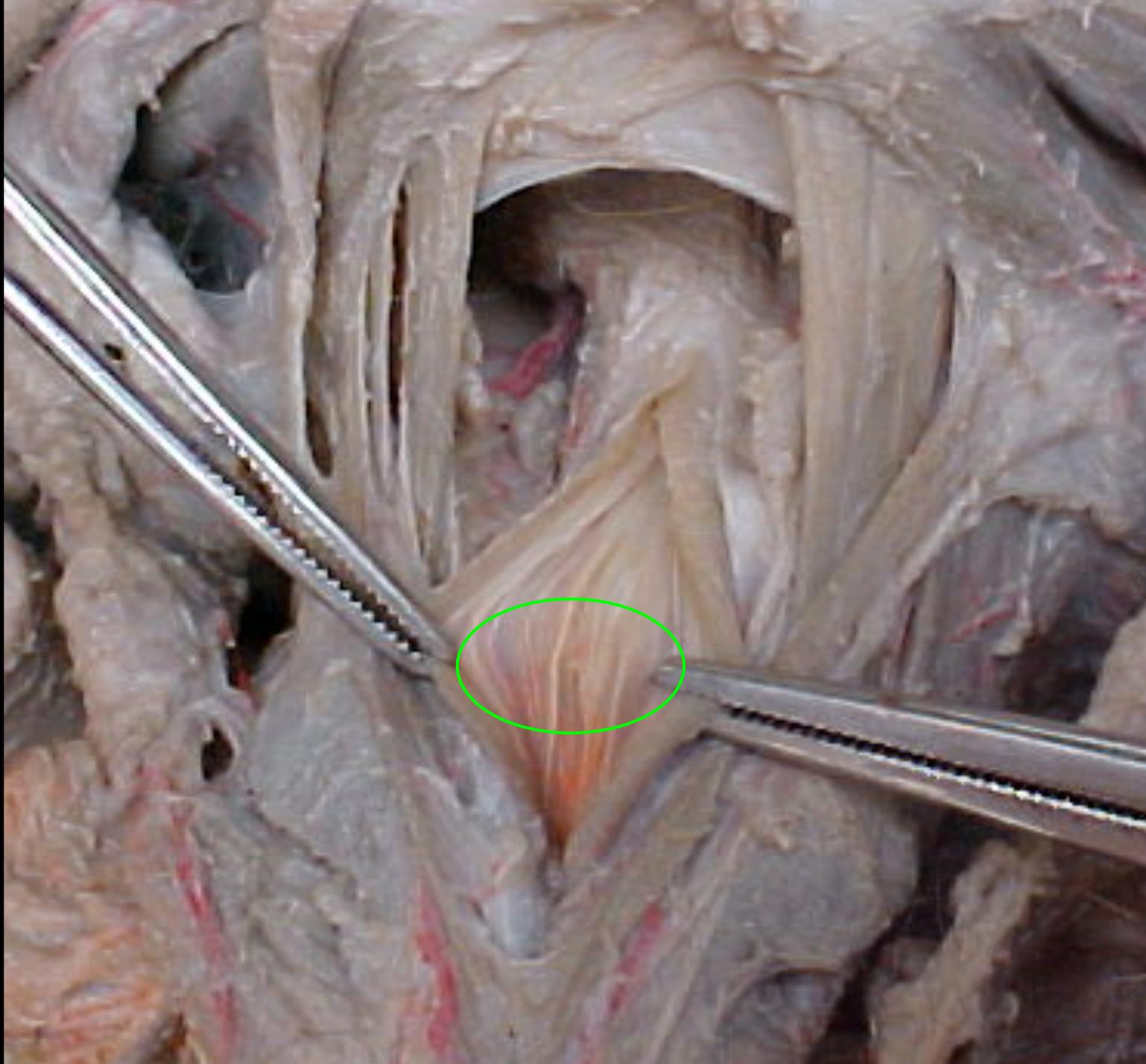
- Estrutura tubular que origina-se no colo da vesícula urinária, no óstio uretral interno e estende-se até o processo uretral;
- As secreções das gls. acessórias são depositadas na uretra.

# URETRA MASCULINA

Apresenta uma **porção pélvica** (pré-prostática e prostática) e uma **porção peniana**.

- É rodeada pelo tecido esponjoso e cavernoso.



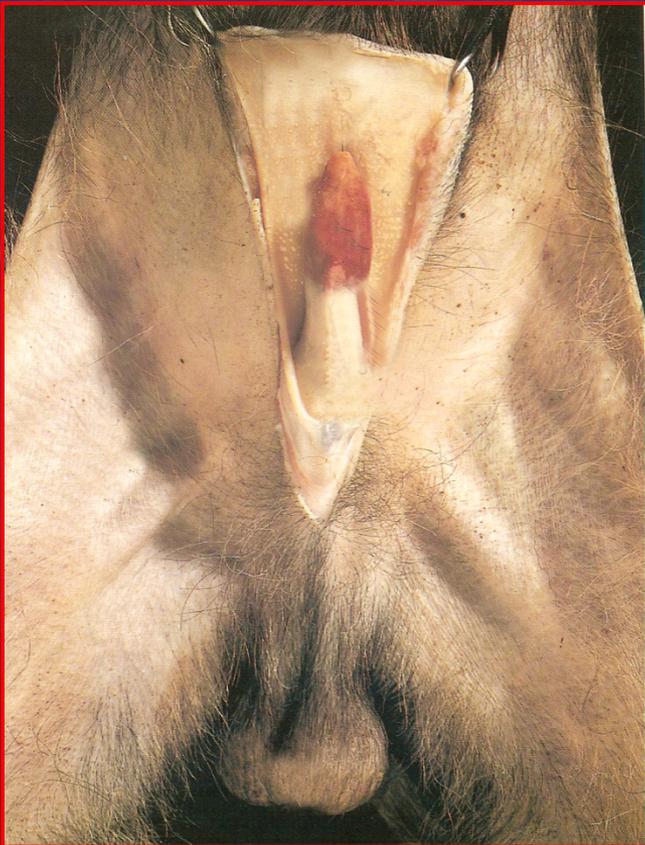


# PÊNIS

**Funções:**

Copulatória e condução urina;

**Localização:** parcialmente entre coxas;  
fixa-se à frente e dos lados  
do arco púbico



# PÊNIS

- **Divisão Anatômica:** raíz, corpo, glande;

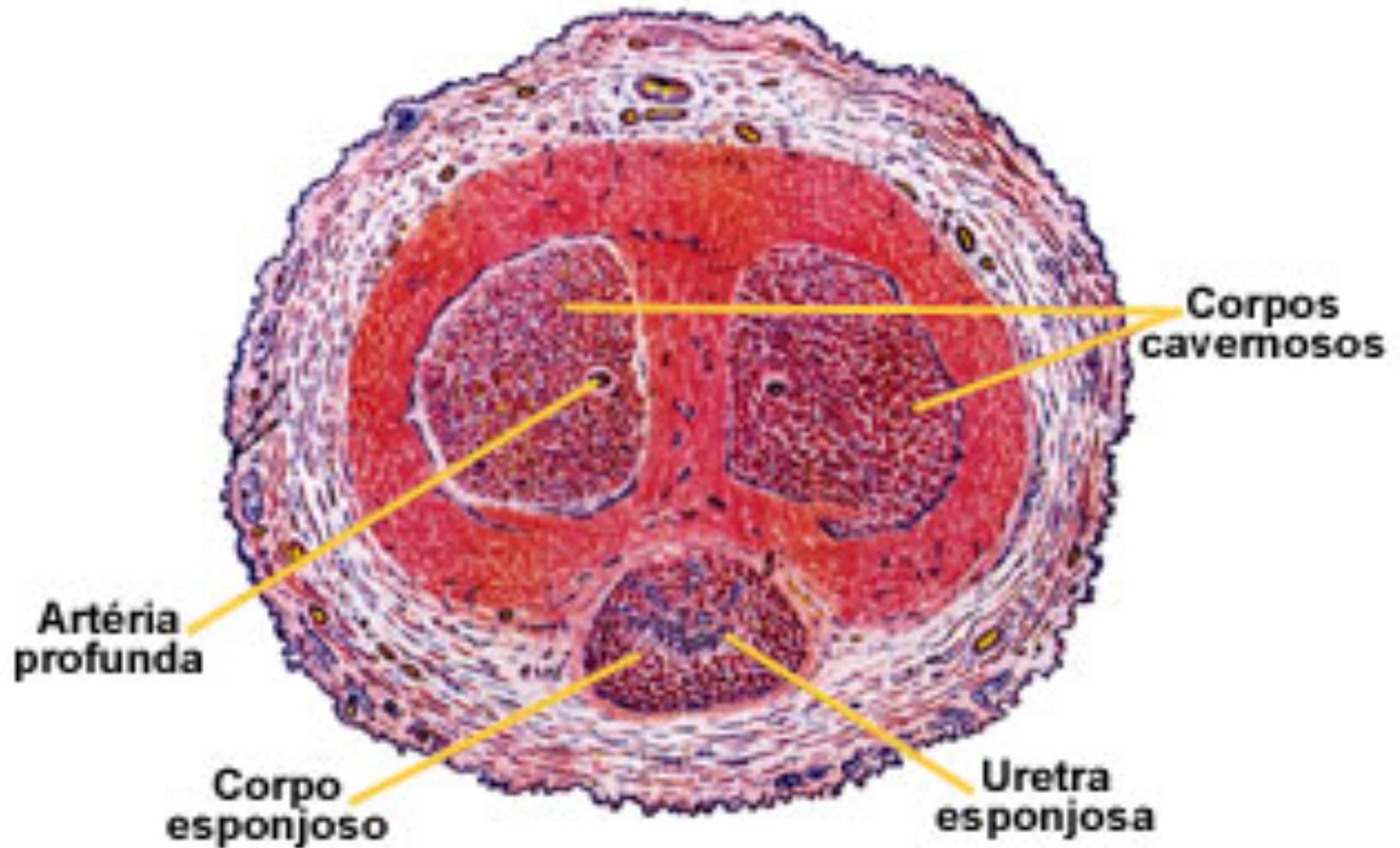
Porção livre – ápice e corpo

Porção fixa – raiz

- **Estrutura:**

- Corpos cavernosos
- Corpos esponjosos ;

## CORTE TRANSVERSAL DO PÊNIS

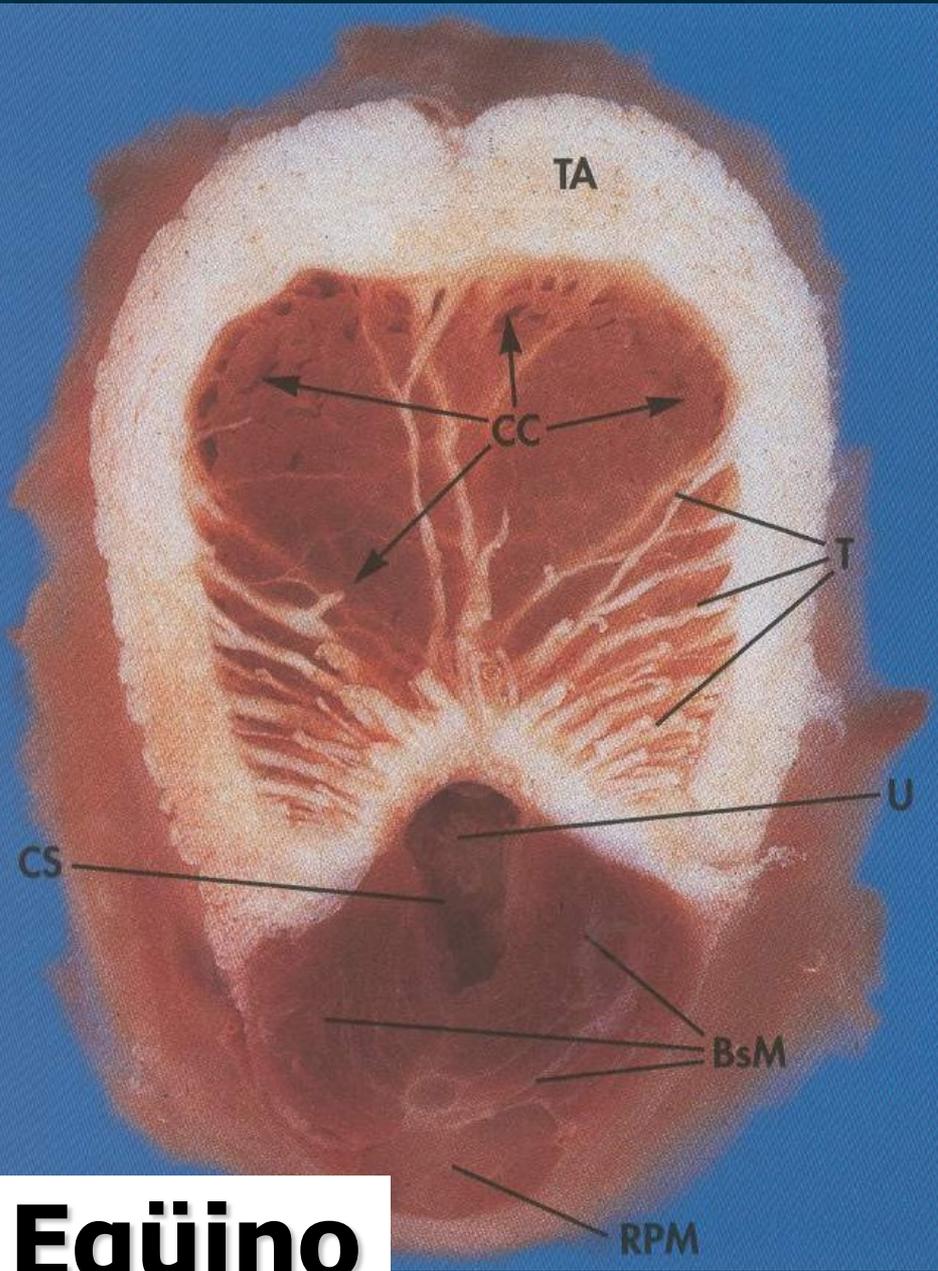


# PÊNIS

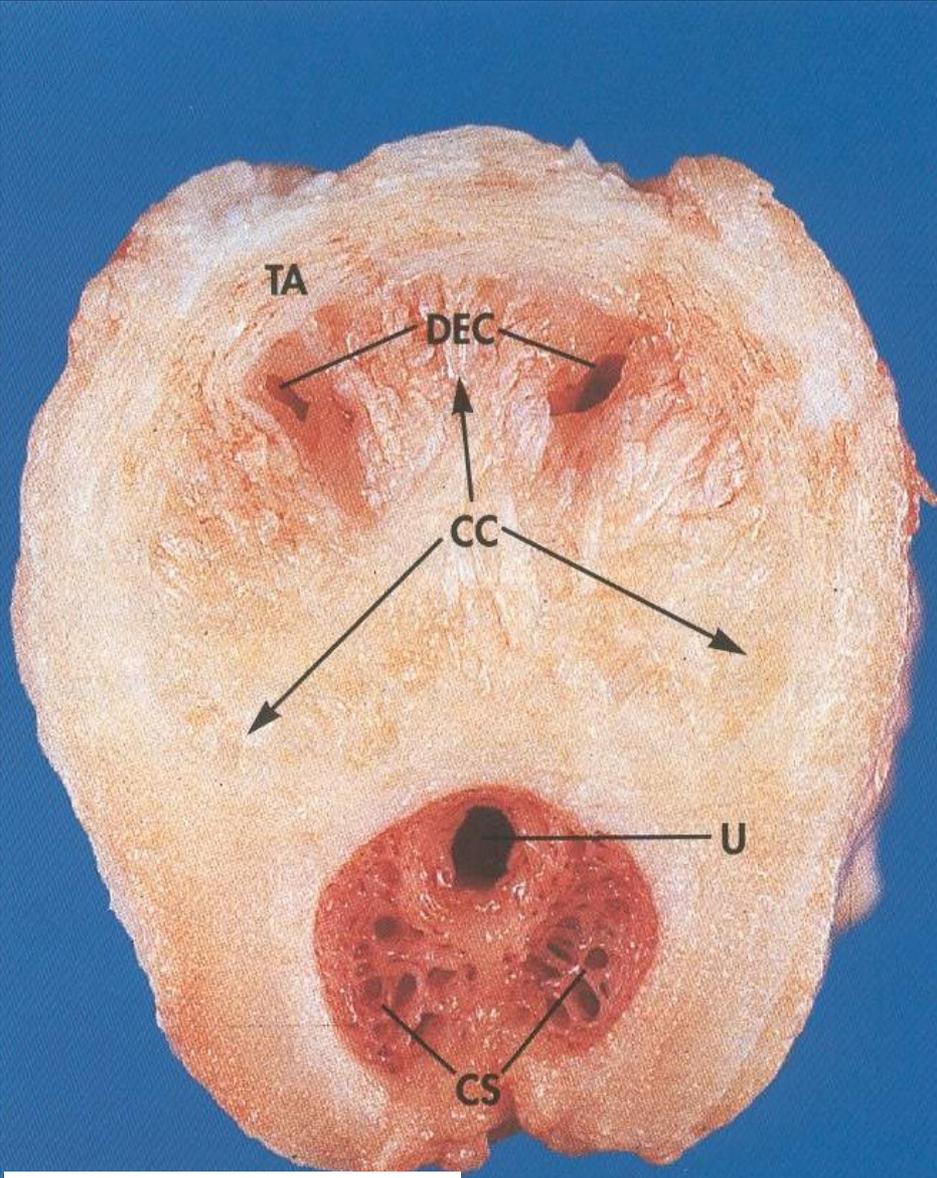
- **Tipos de pênis:**

- Pênis fibro-elástico:**

- Pênis musculocavernoso:**



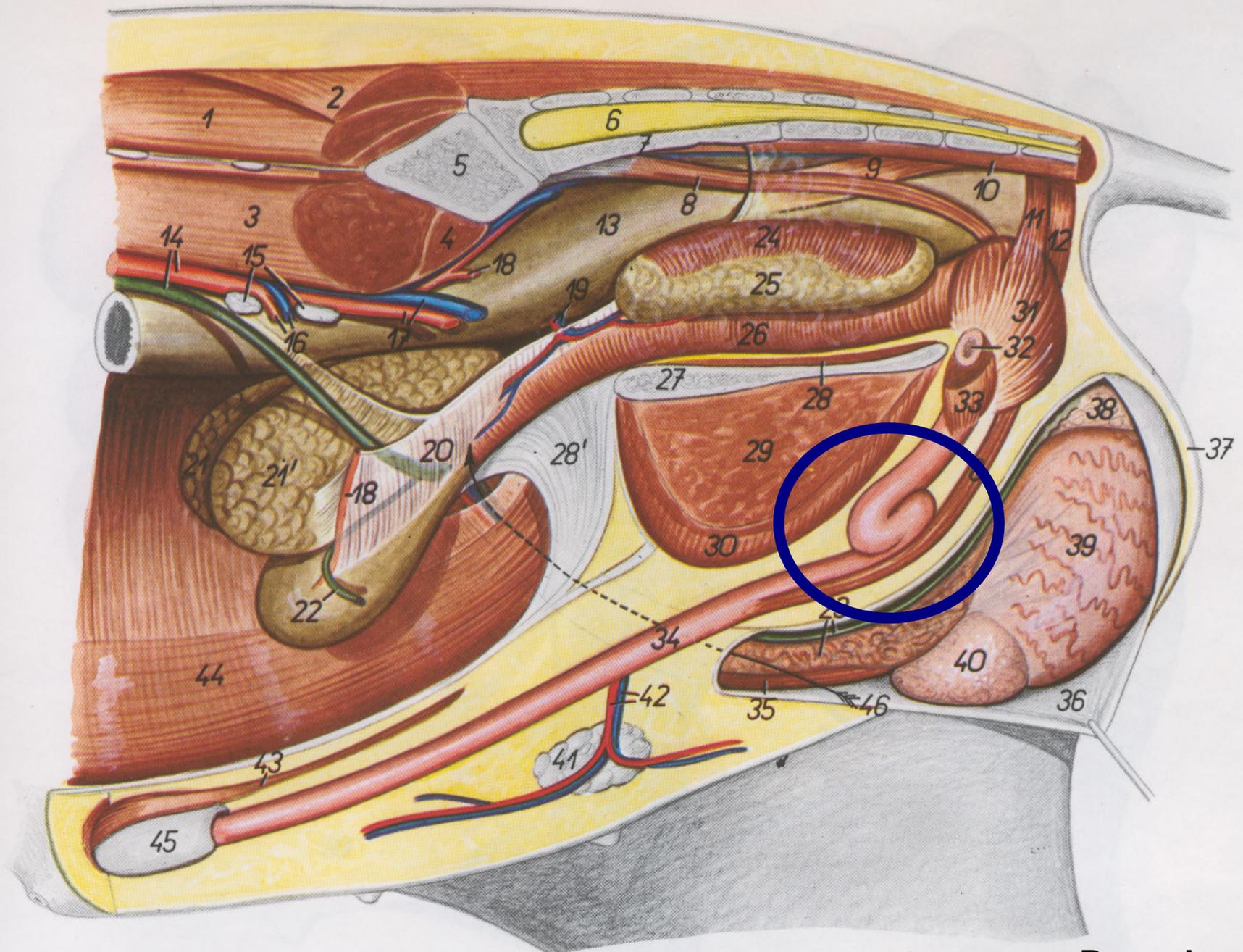
**Eqüino**

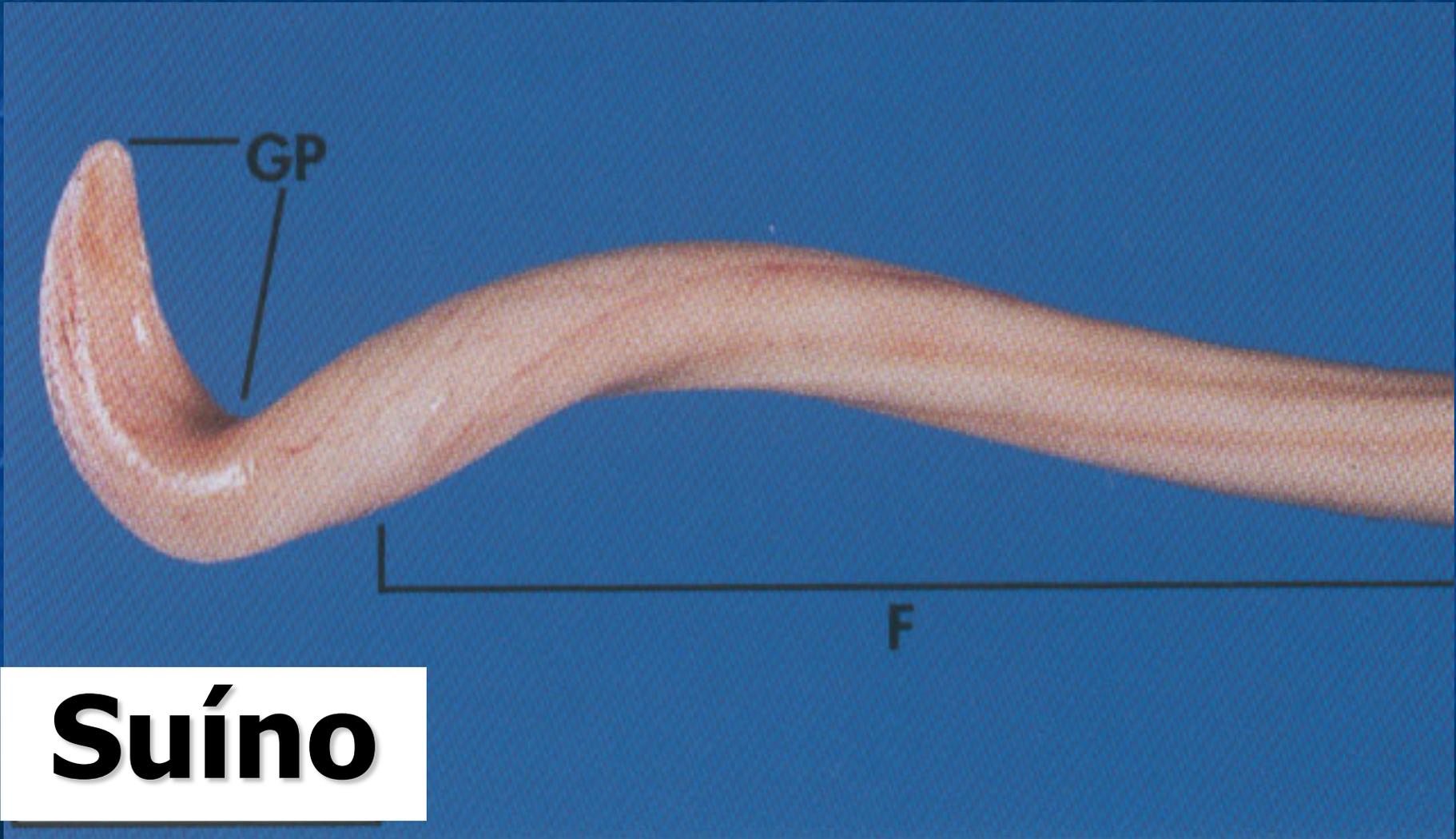


**Bovino**

# PÊNIS

- **Particularidades nas espécies**

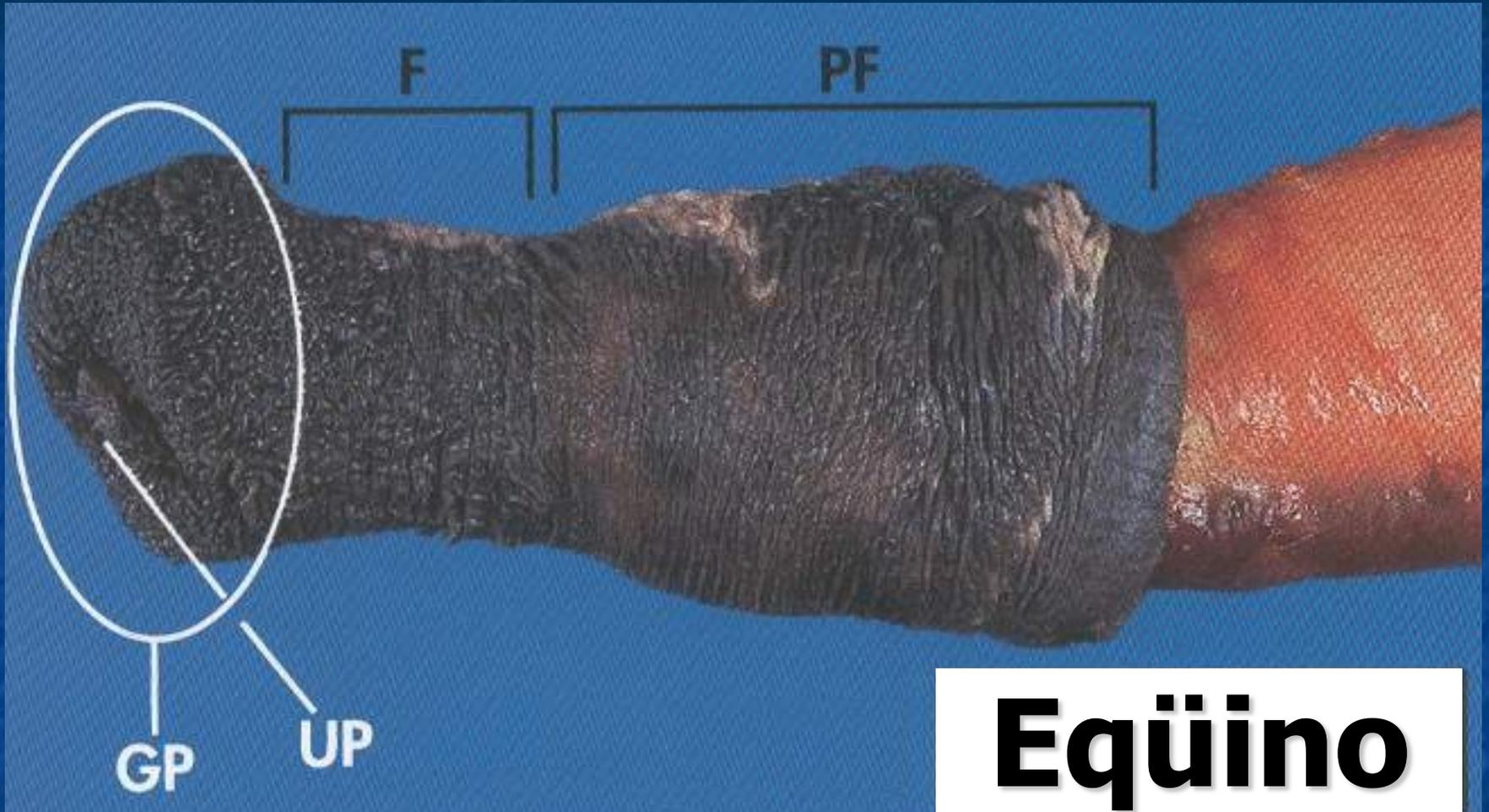




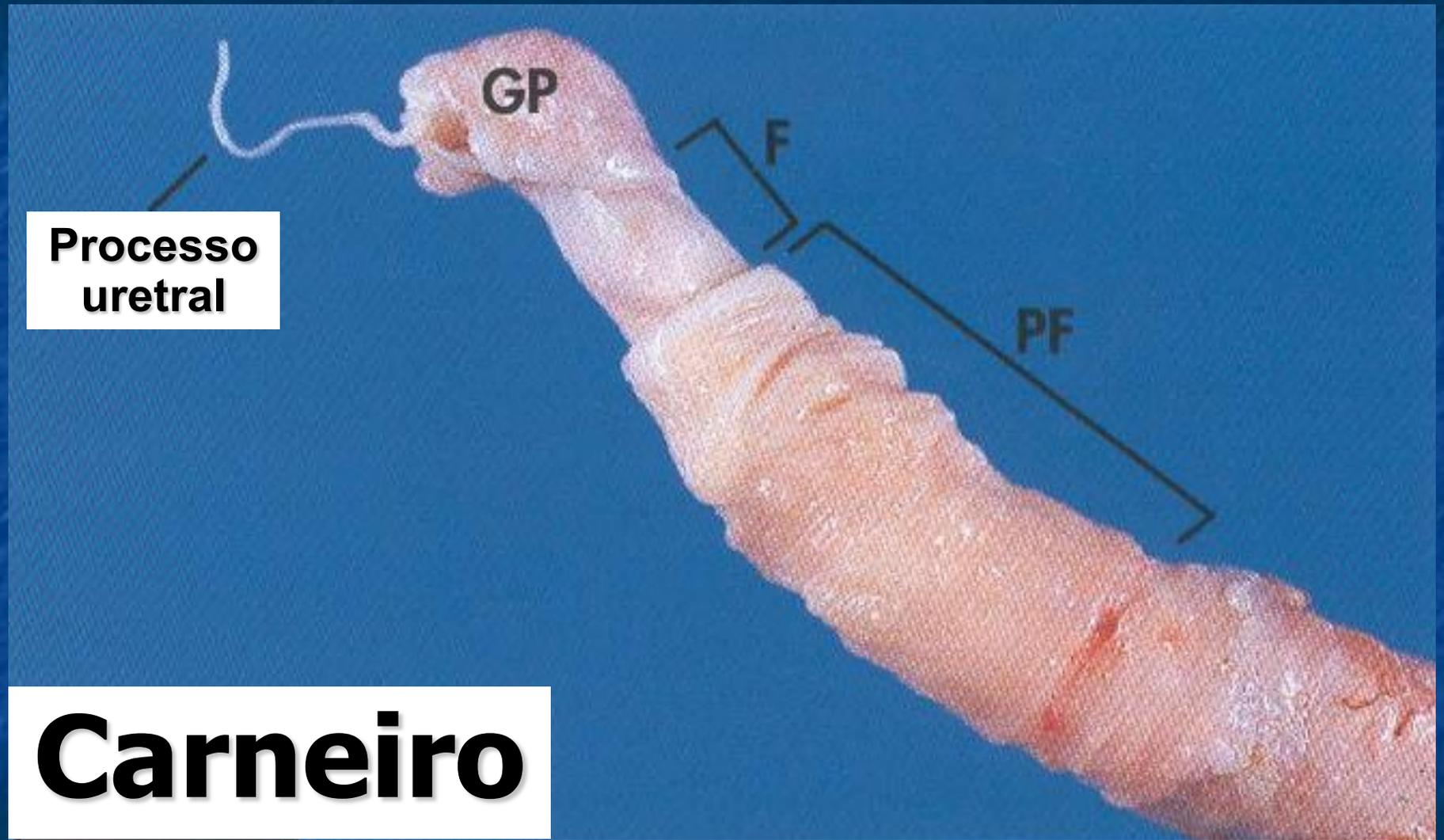
**Suíno**



**Bovino**



# Eqüino



**Processo  
uretral**

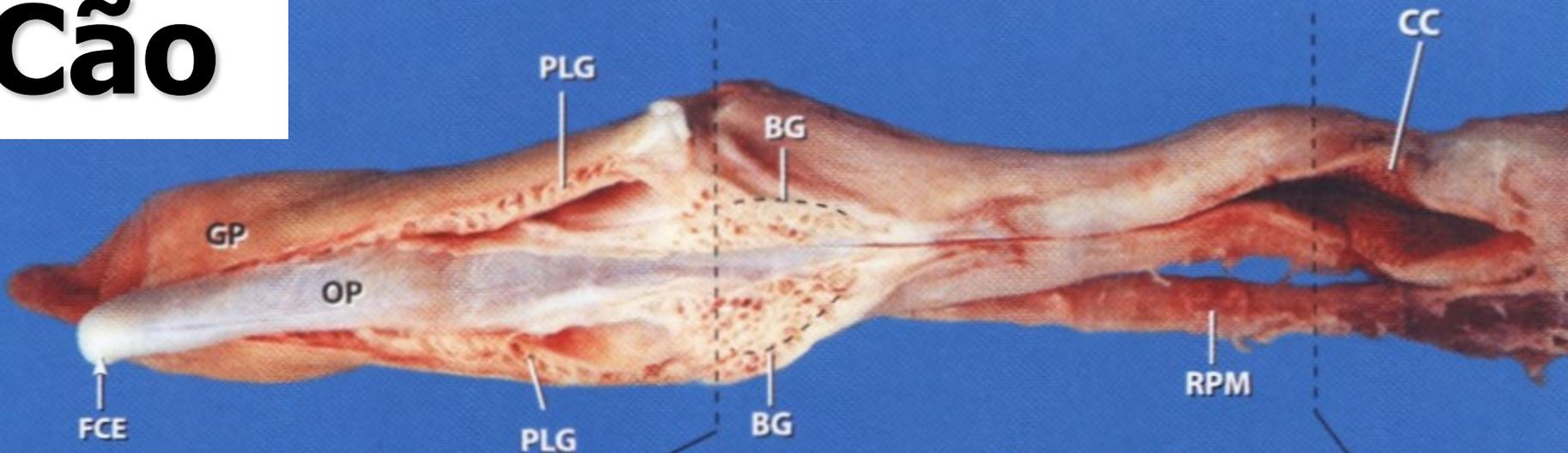
**Carneiro**

Parte longa e bulbo da glande



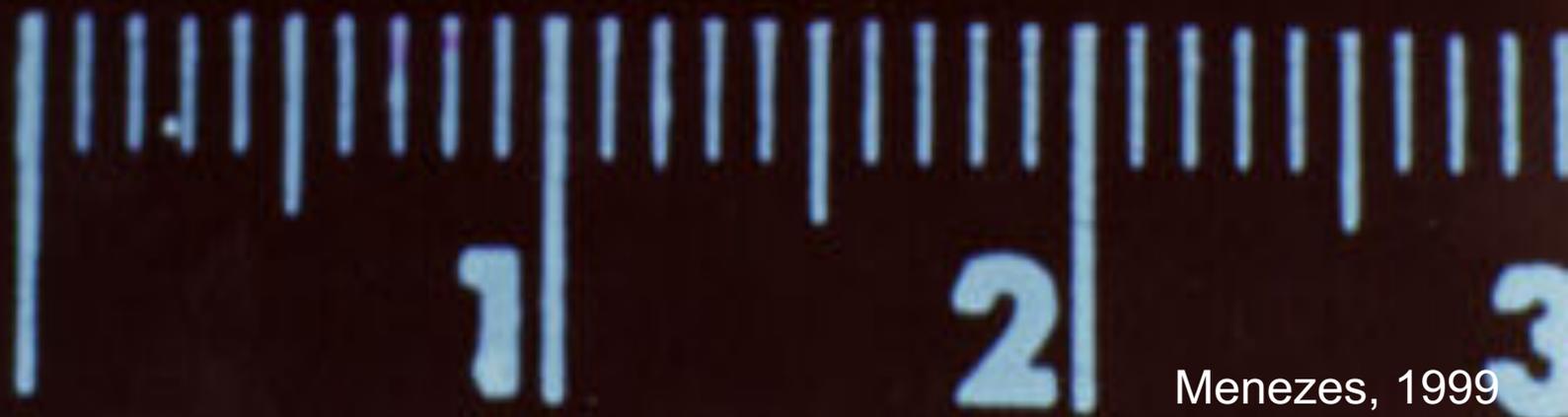
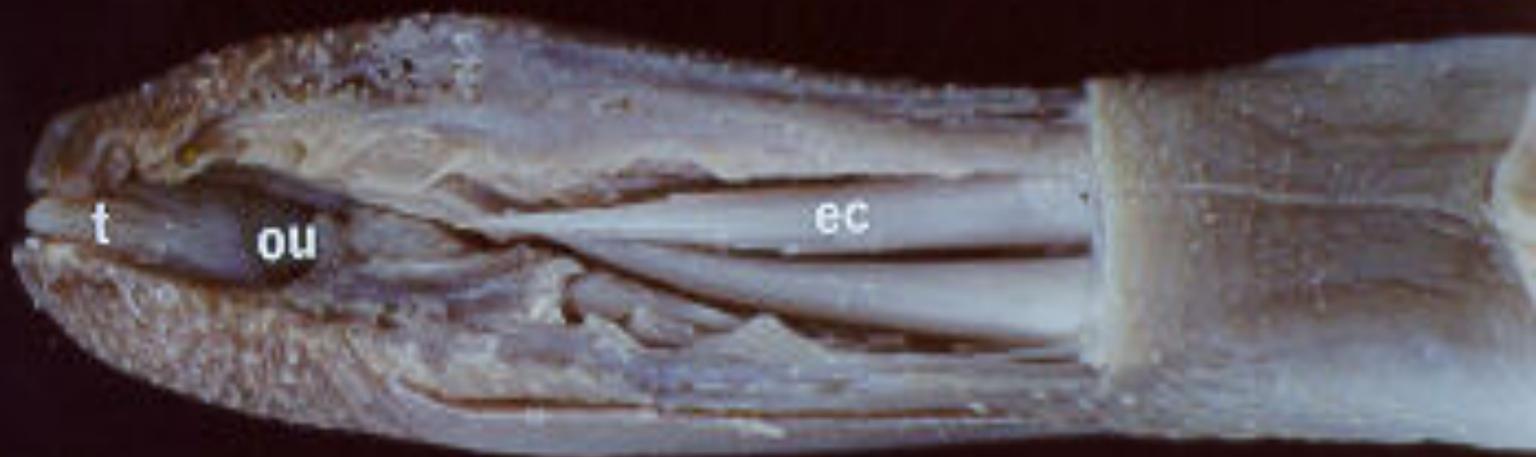
Lateral View

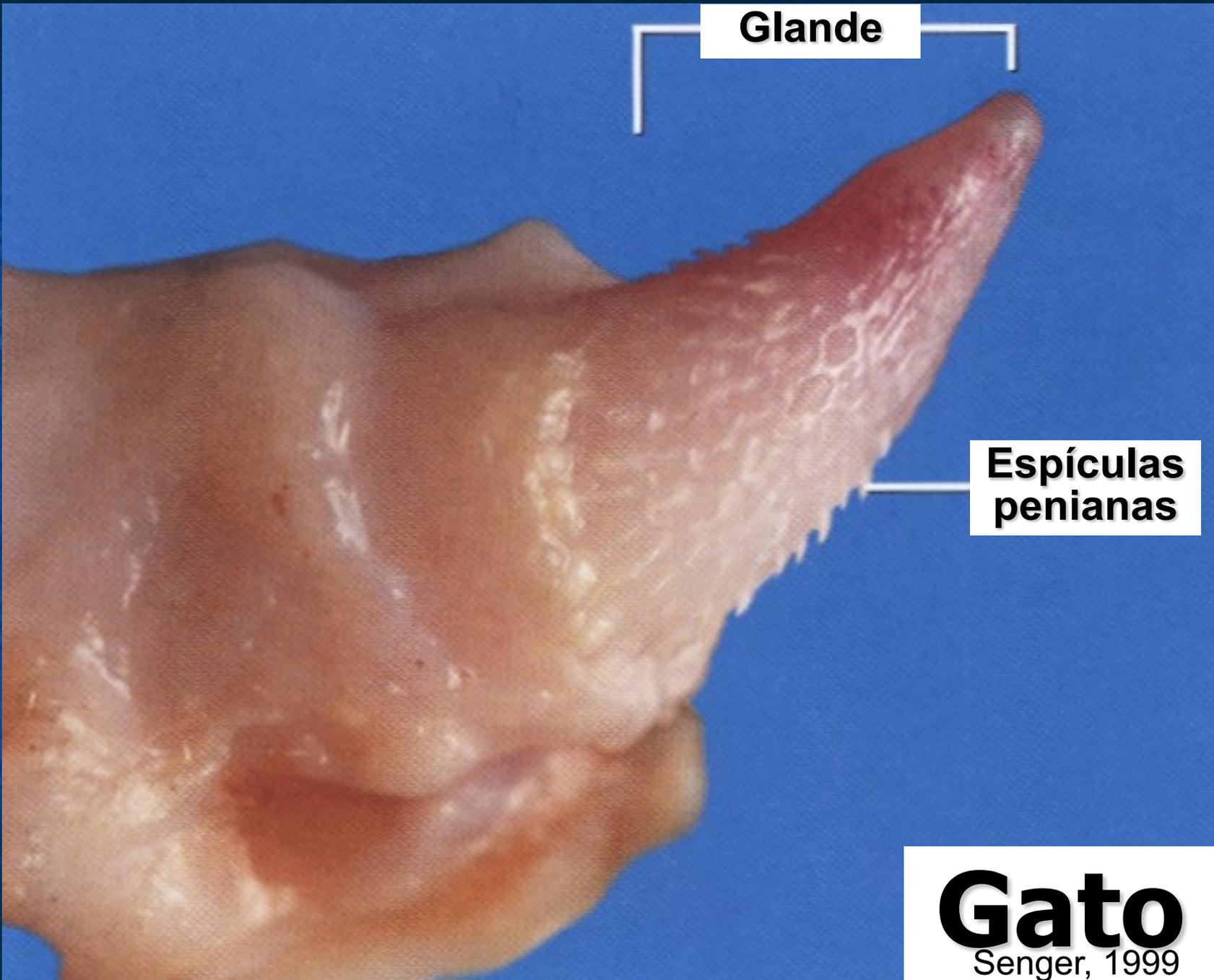
**Cão**



Dorsal View





A close-up photograph of a cat's penis against a blue background. The penis is a pinkish, elongated organ with a textured, scaly surface. A white bracket at the top points to the tip, labeled 'Glande'. A white line on the right side points to the scaly texture, labeled 'Espículas penianas'.

**Glande**

**Espículas  
penianas**

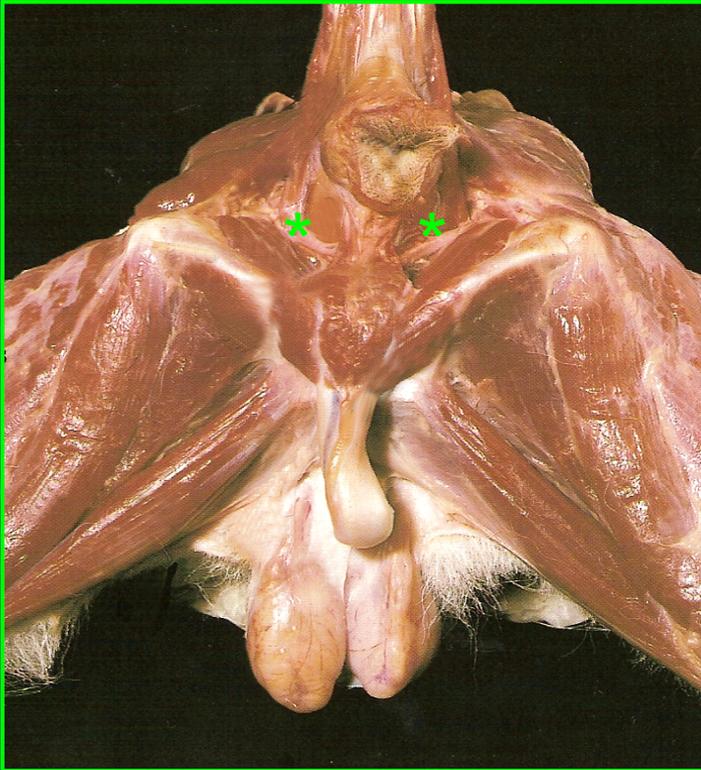
**Gato**  
Senger, 1999

# Pênis

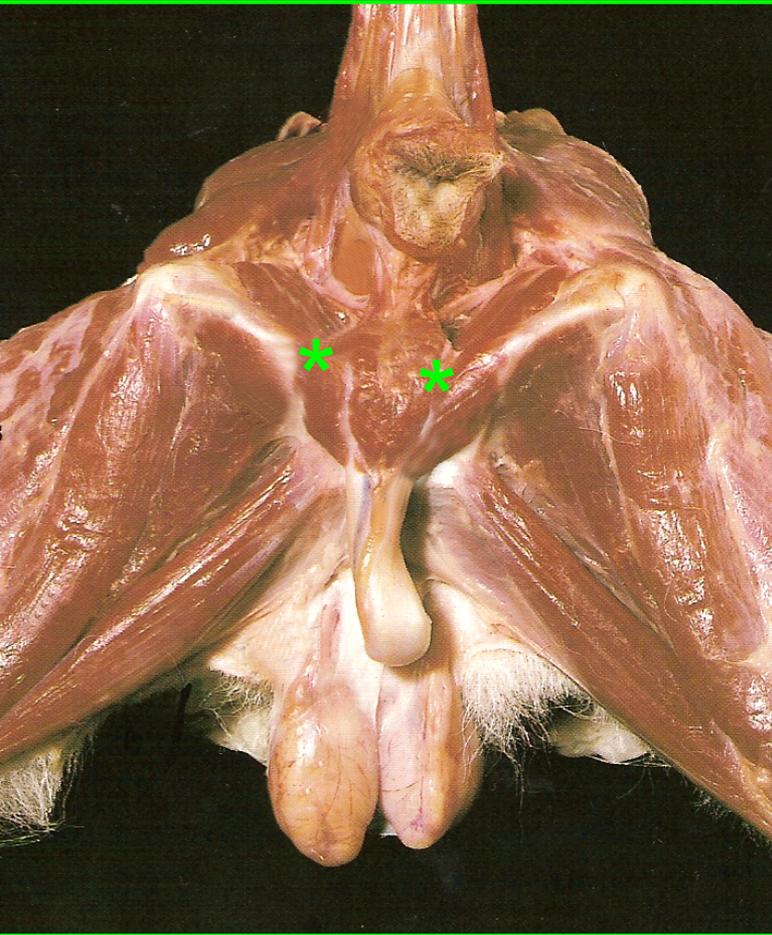
Músculos da raiz do pênis:

## M. Bulbocavernoso:

- ventral ao ânus;
- esvaziar canal uretral pós micção;
- auxiliar na ereção



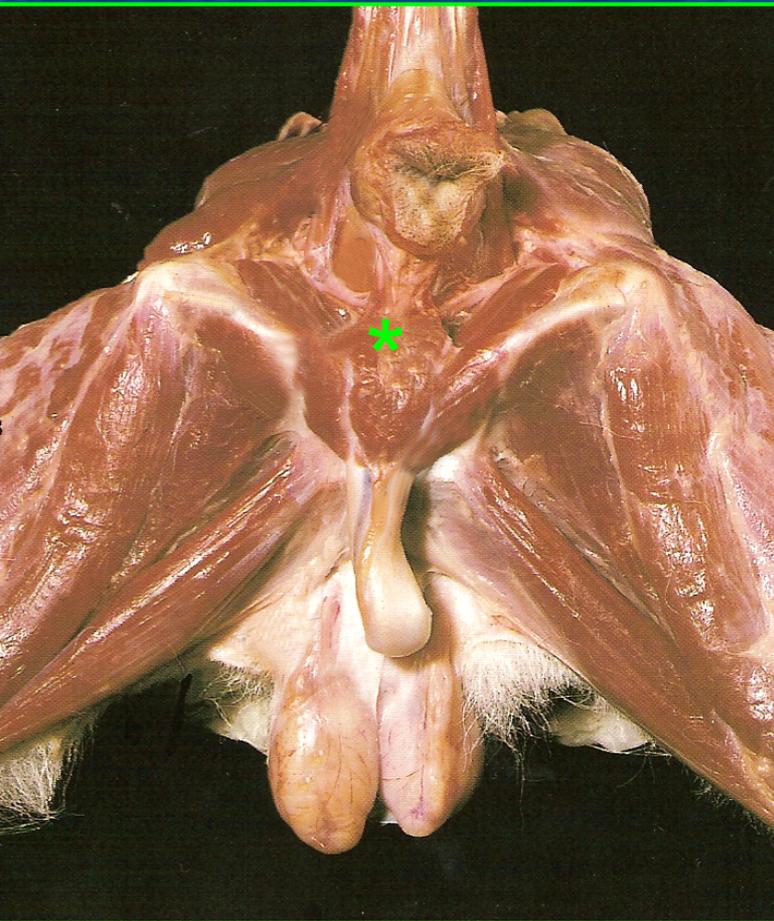
# Pênis



## M. Isquiocavernoso:

- limites do períneo;
- comprime raiz do pênis;
- retarda retorno de sangue pelas Vv. mantendo ereção.

# Pênis



## M. bulboesponjoso:

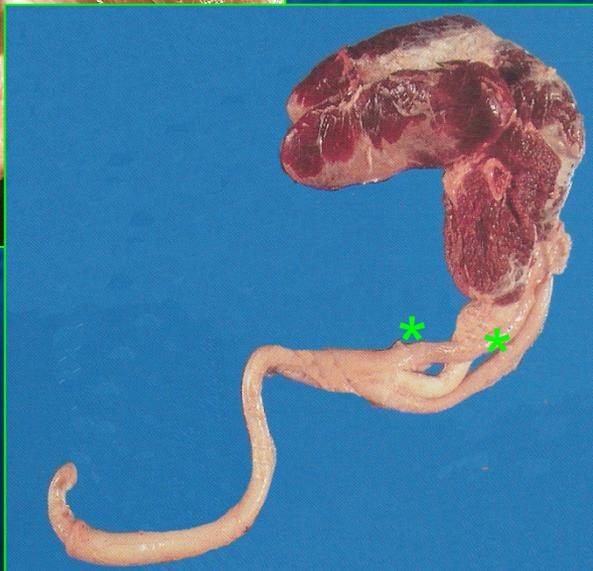
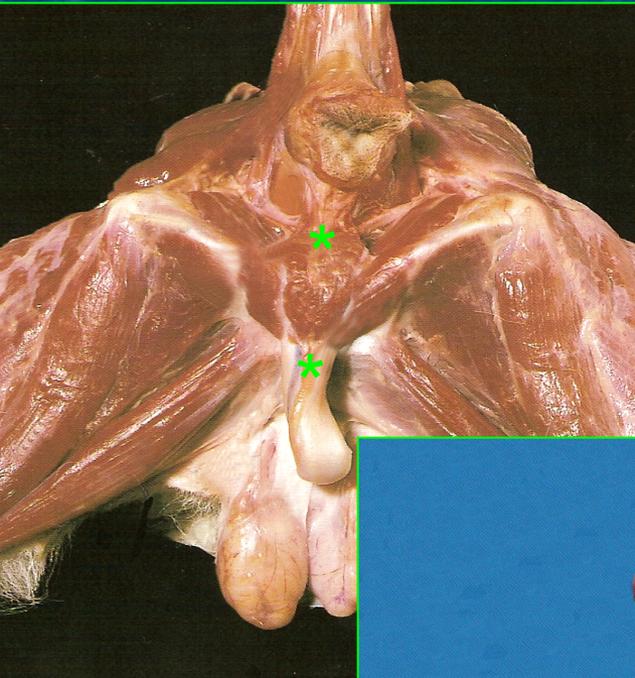
-esvaziar a porção extrapélvica da uretra.

# Pênis

## M. Retrator do pênis :

-comanda a formação da flexura sigmóide;

-Fixado dorsalmente as vértebras caudais e ventro-lateral ao pênis.



# Pênis

## M. Uretral:

- movimentação do plasma seminal;
- movimentação dos sptz na uretra.

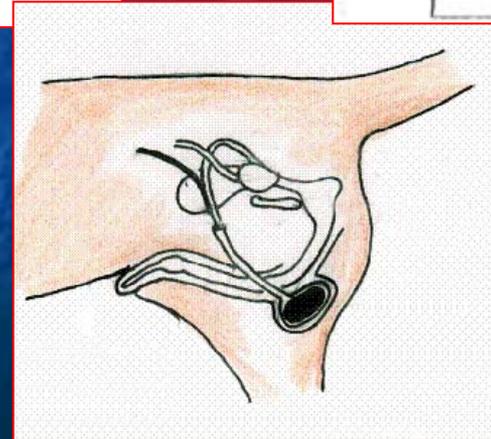
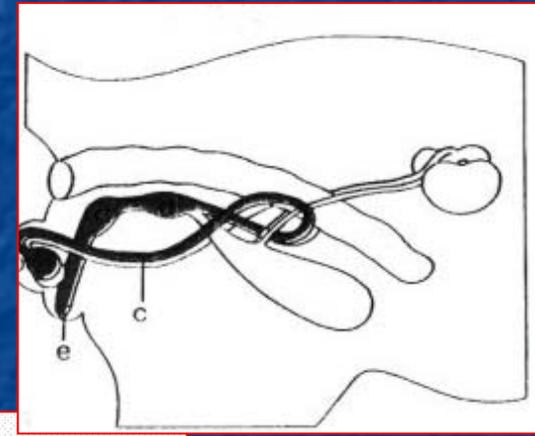
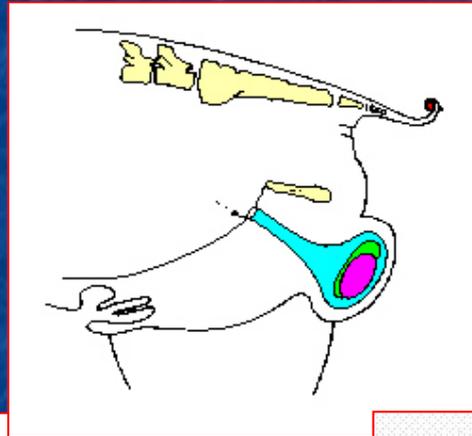
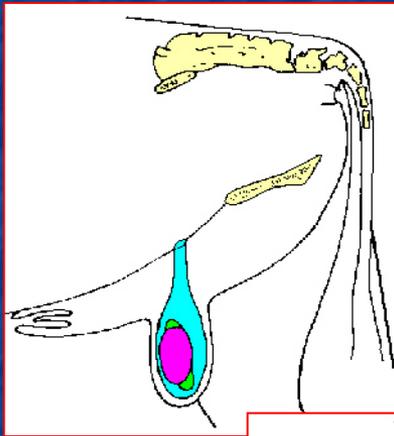
# ESCROTO E PREPÚCIO

## ■ Escroto

### ■ Posição do escroto:

- **Ruminantes:** abaixo da parte caudal do abdome;
- **Suínos e felinos:** perineal;
- **Eqüinos e caninos:** posição intermediária.

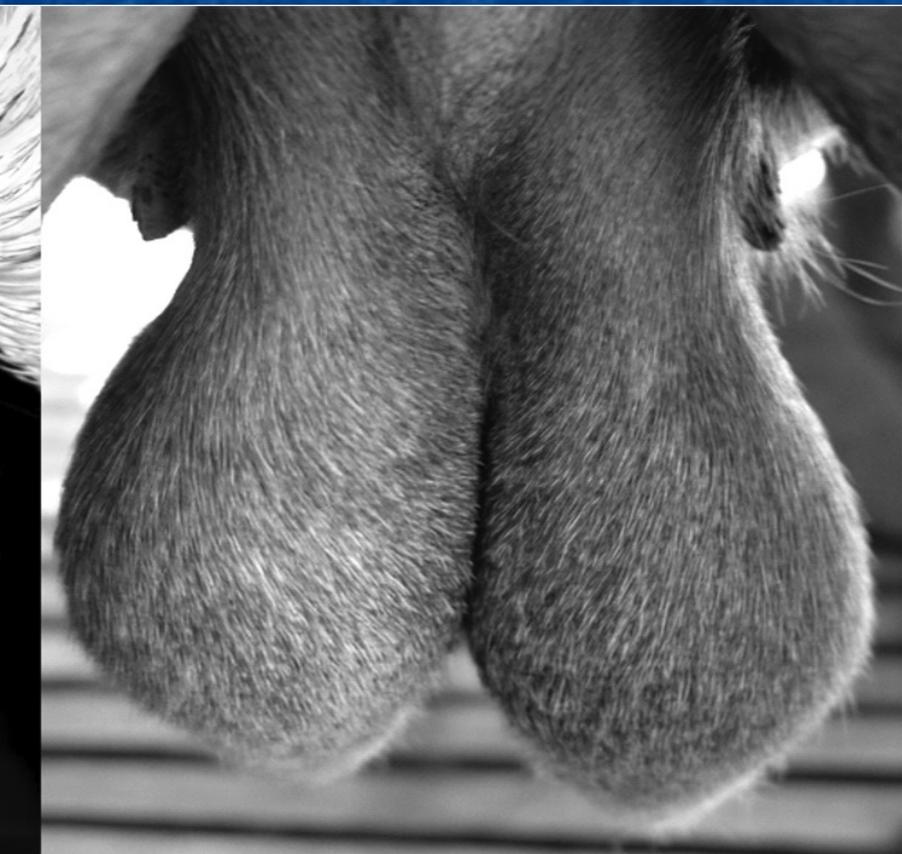
# Posição do escroto:



## ✓ Aspecto externo

Idade

Temperatura ambiente



## ✓ **Estratigrafia do Escroto :**

**Túnica Dartos (M. Liso);**

**Fáscia espermática externa;**

**Fáscia cremastérica (M. Cremaster);**

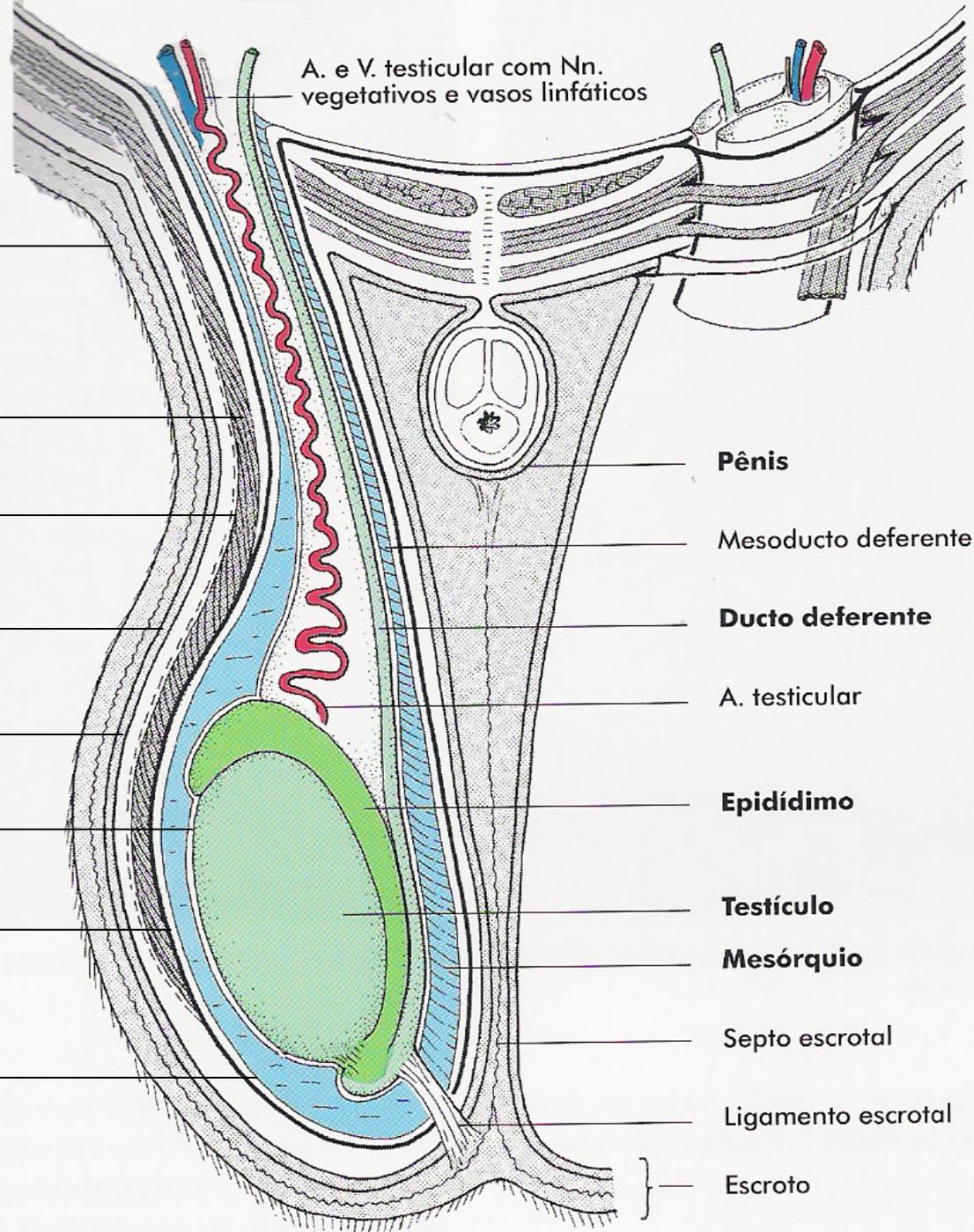
**Fáscia espermática interna;**

**Lâmina parietal da túnica vaginal.**

**\*Lâmina visceral da túnica vaginal;**

**\*Túnica albugínea.**





A. e V. testicular com Nn. vegetativos e vasos linfáticos

Pele

M. cremaster

Fáscia cremastérica

Fáscia espermática externa

Fáscia espermática interna

Túnica vaginal

Lâmina parietal da túnica vaginal

Lâmina visceral da túnica vaginal

Pênis

Mesoducto deferente

Ducto deferente

A. testicular

Epidídimo

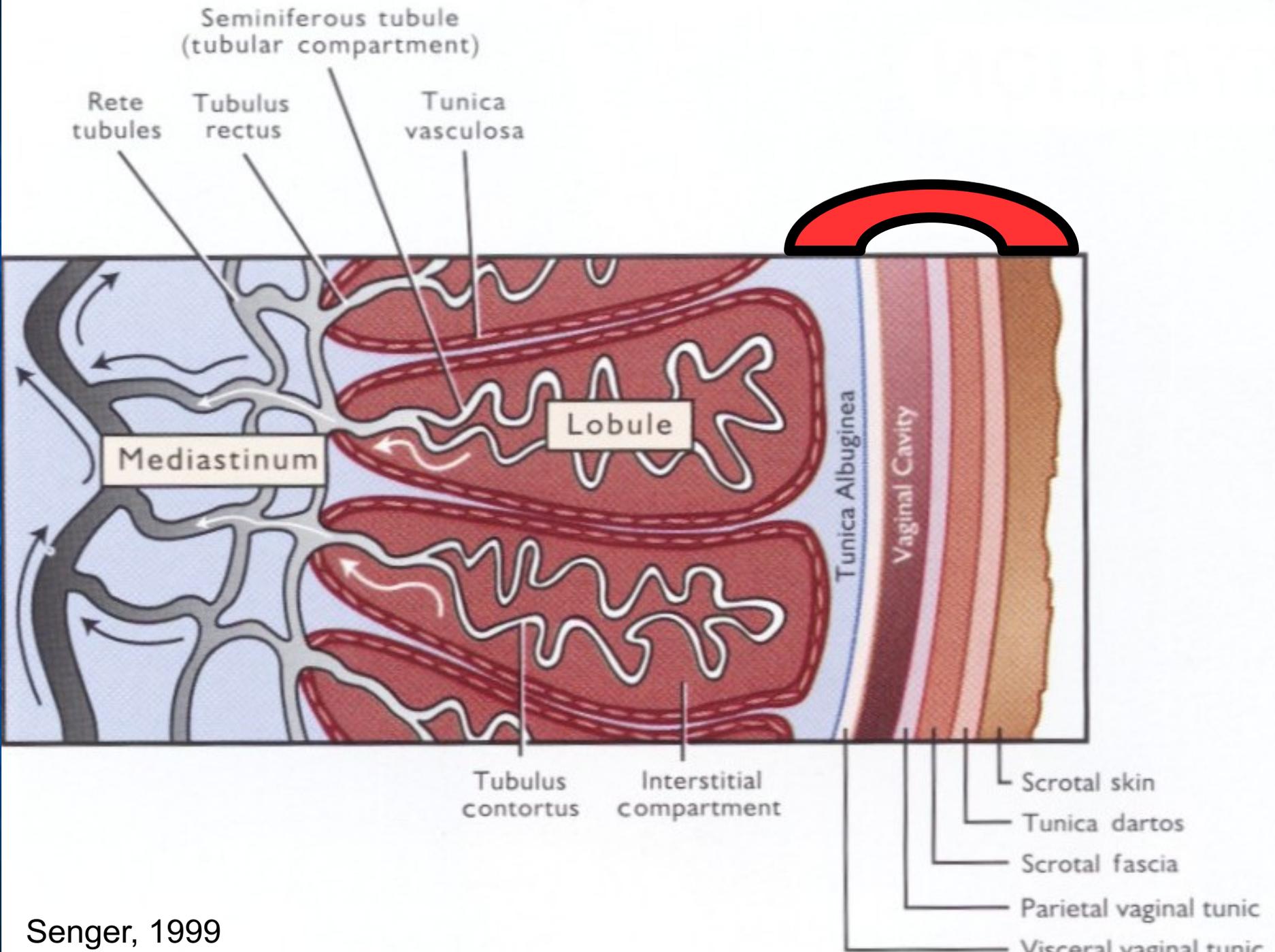
Testículo

Mesórquio

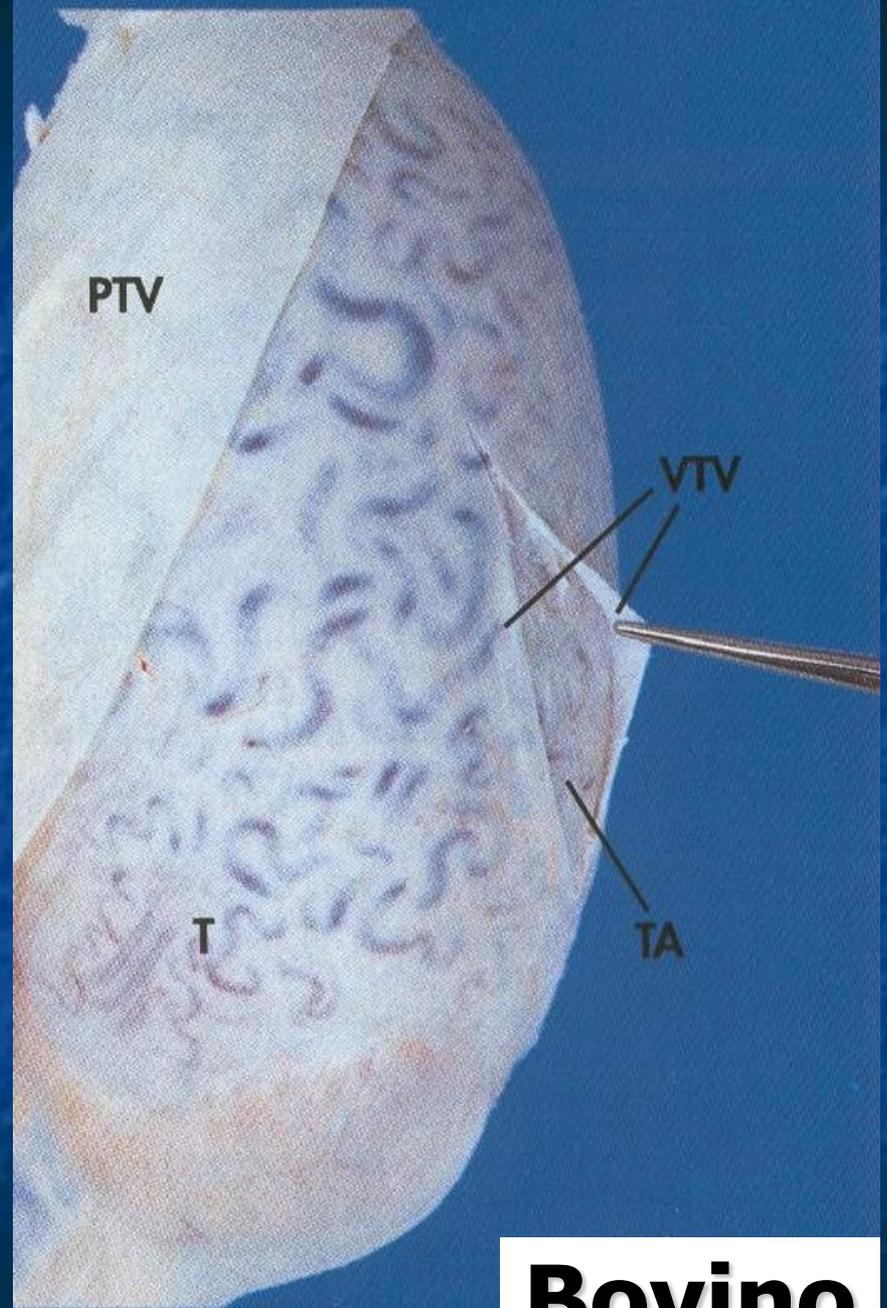
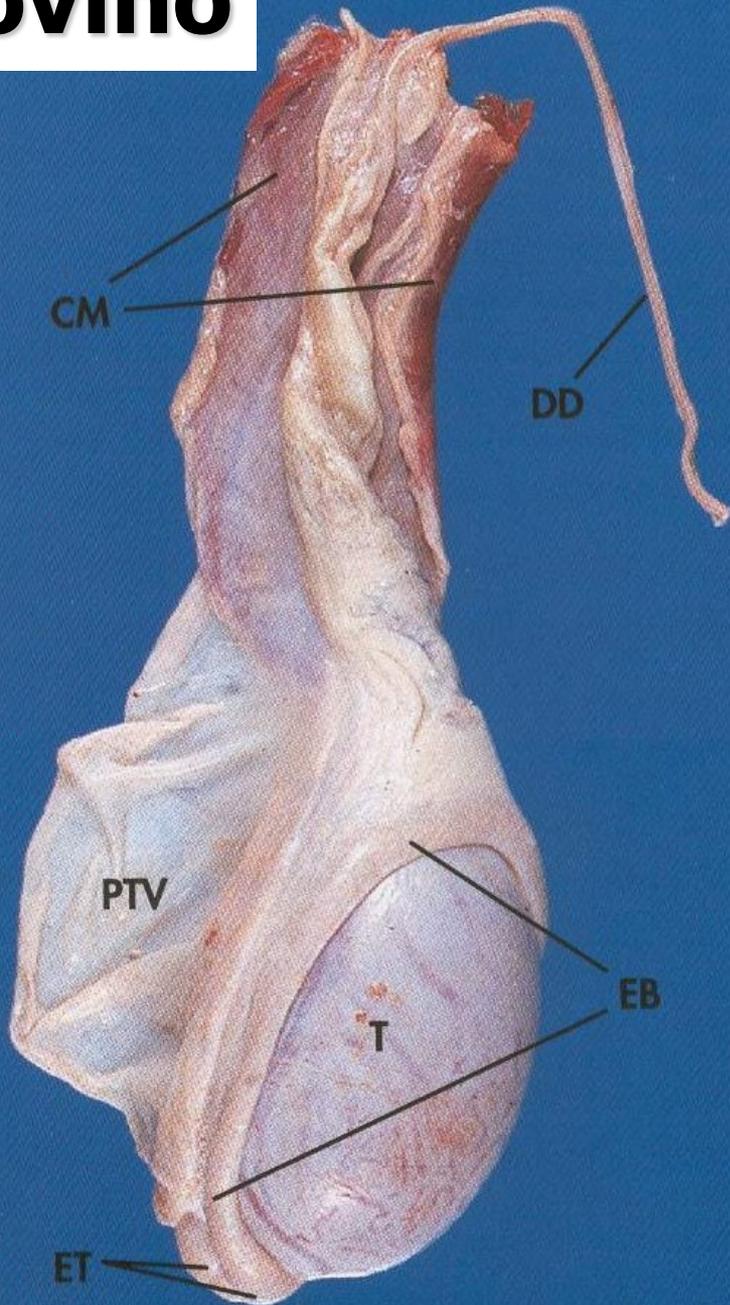
Septo escrotal

Ligamento escrotal

Escroto



# Bovino



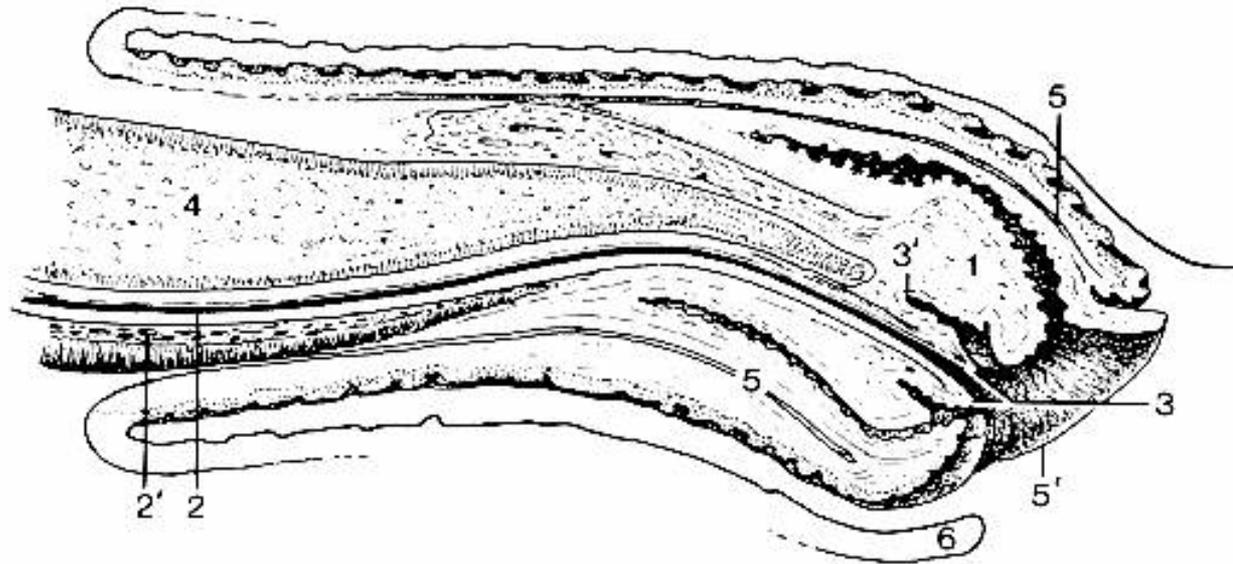
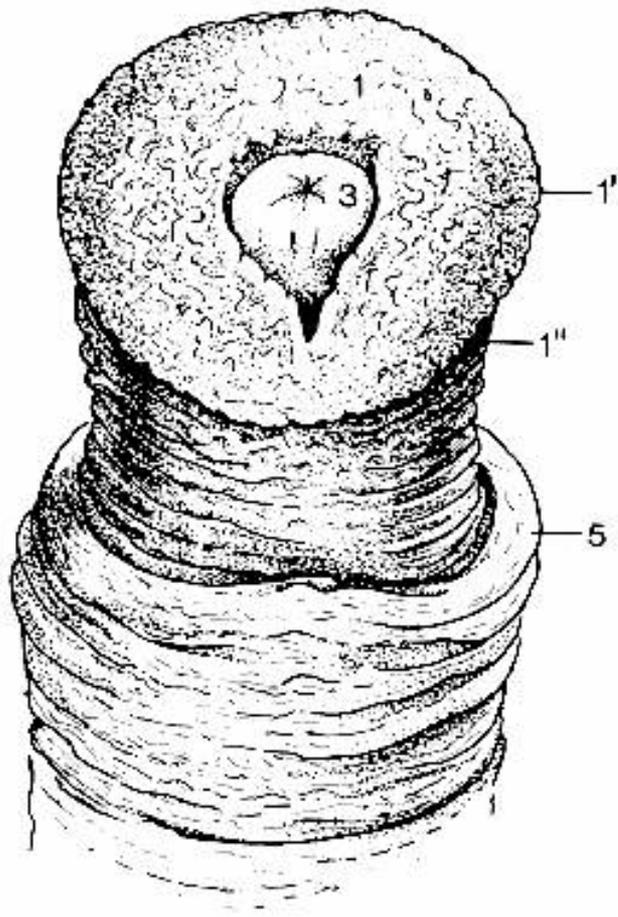
Senger, 1999

# Bovino

# Prepúcio

É uma invaginação da pele da parede abdominal.

- LÂMINA EXTERNA
  - TEGUMENTO COMUM
- LÂMINA INTERNA
  - ✓ DESPROVIDO DE PÊLOS
  - ✓ GLÂNDULAS SECRETORAS DE ESMEGMA





*Bom dia...*