

فیزیولوژی سه، جلسه اول:

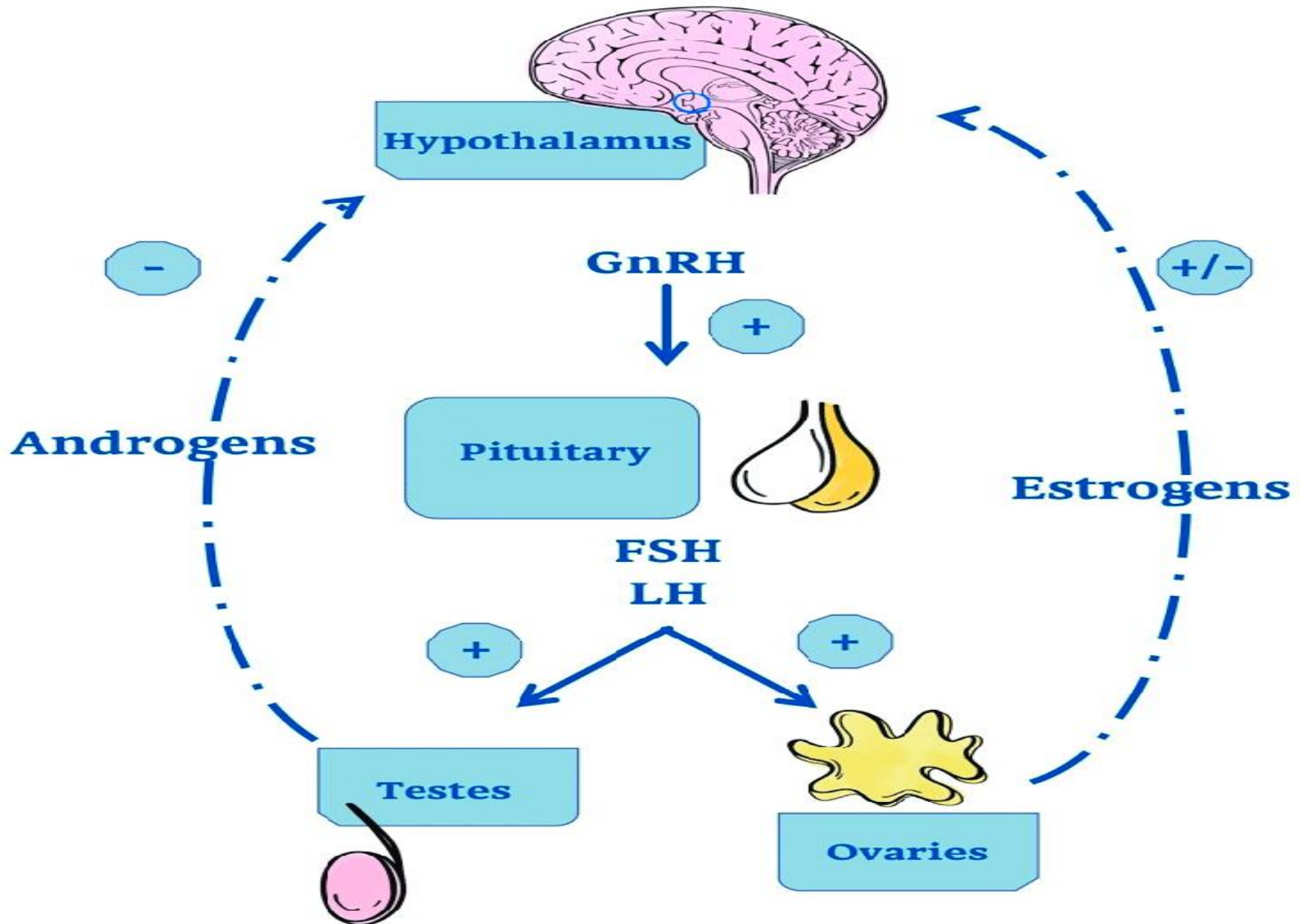
۱- اشاره ای به نقش های فیزیولوژیکی غدد جنسی (گناد ها)

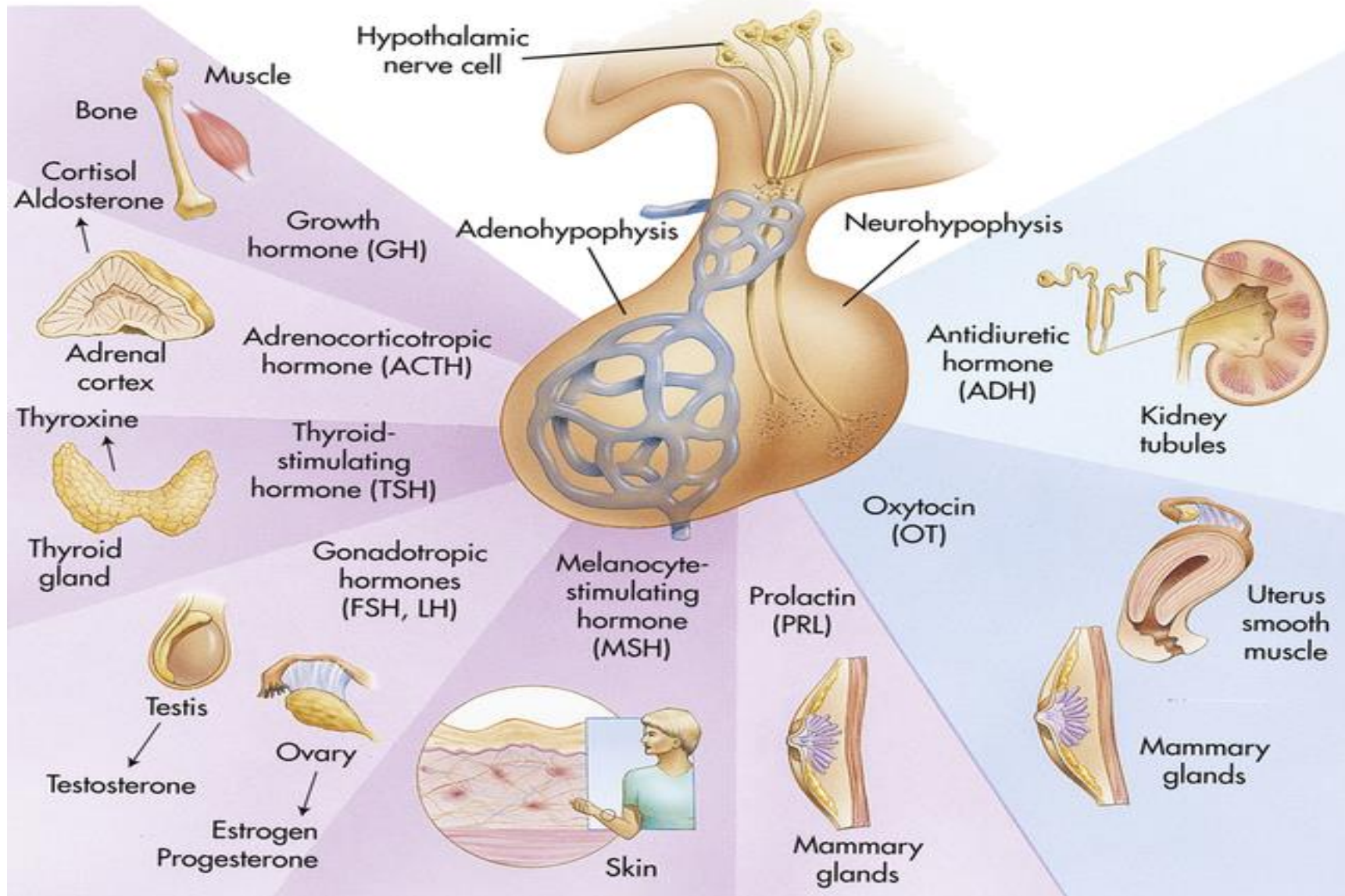
۲- محور هیپوتالاموسی- هیپوفیزی- گناد و اهمیت آن

Functions of:

**Gonads
(Ovaries in
Females and
Testes in
Male)**

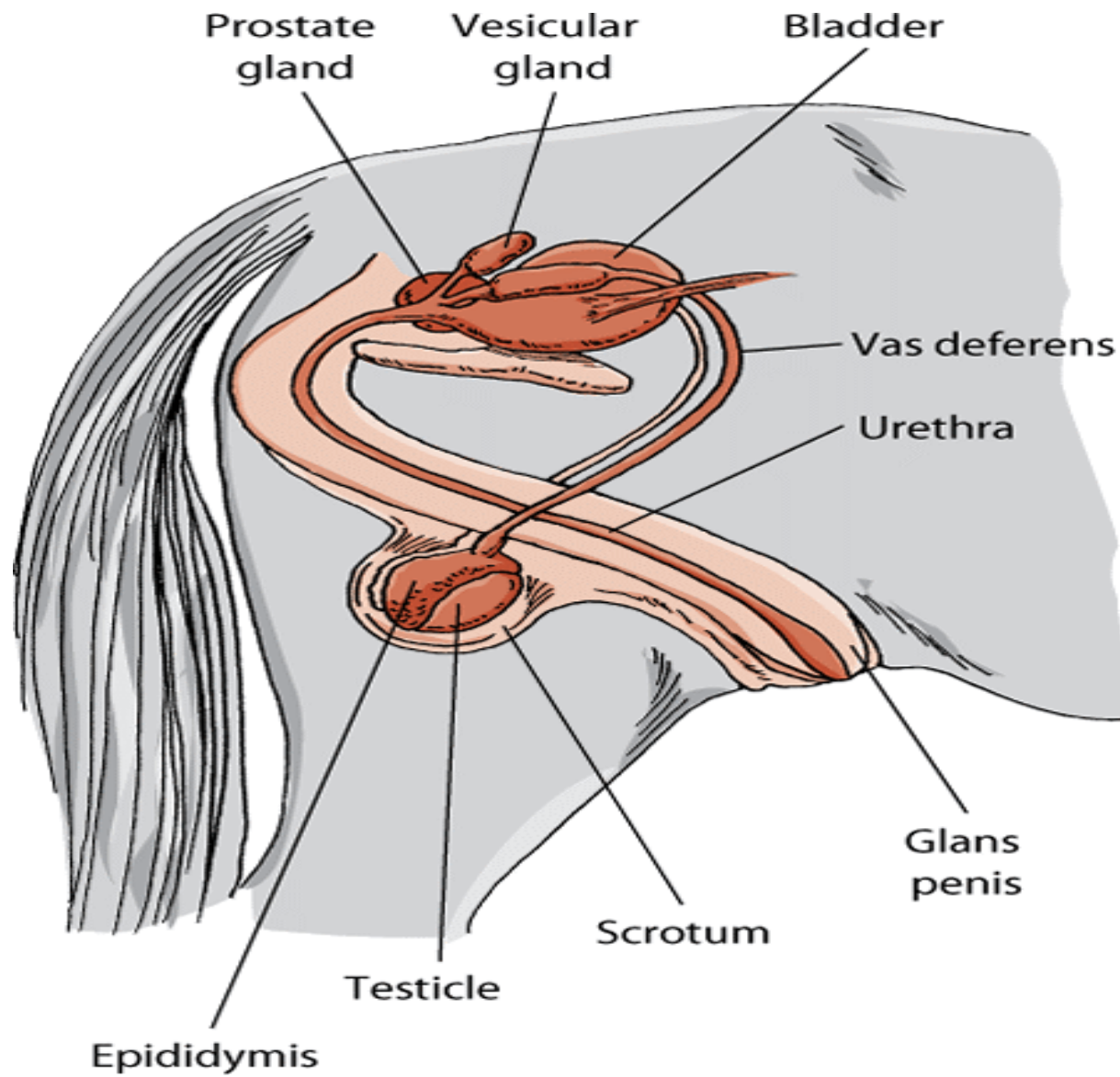
THE HYPOTHALAMIC-PITUITARY-GONADAL AXIS



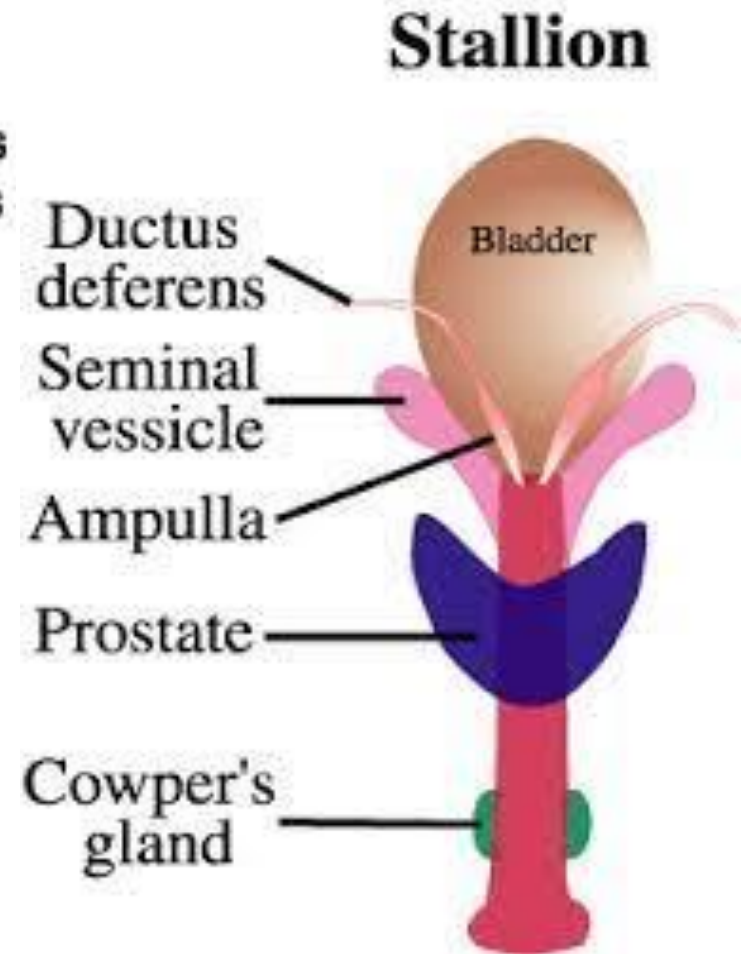
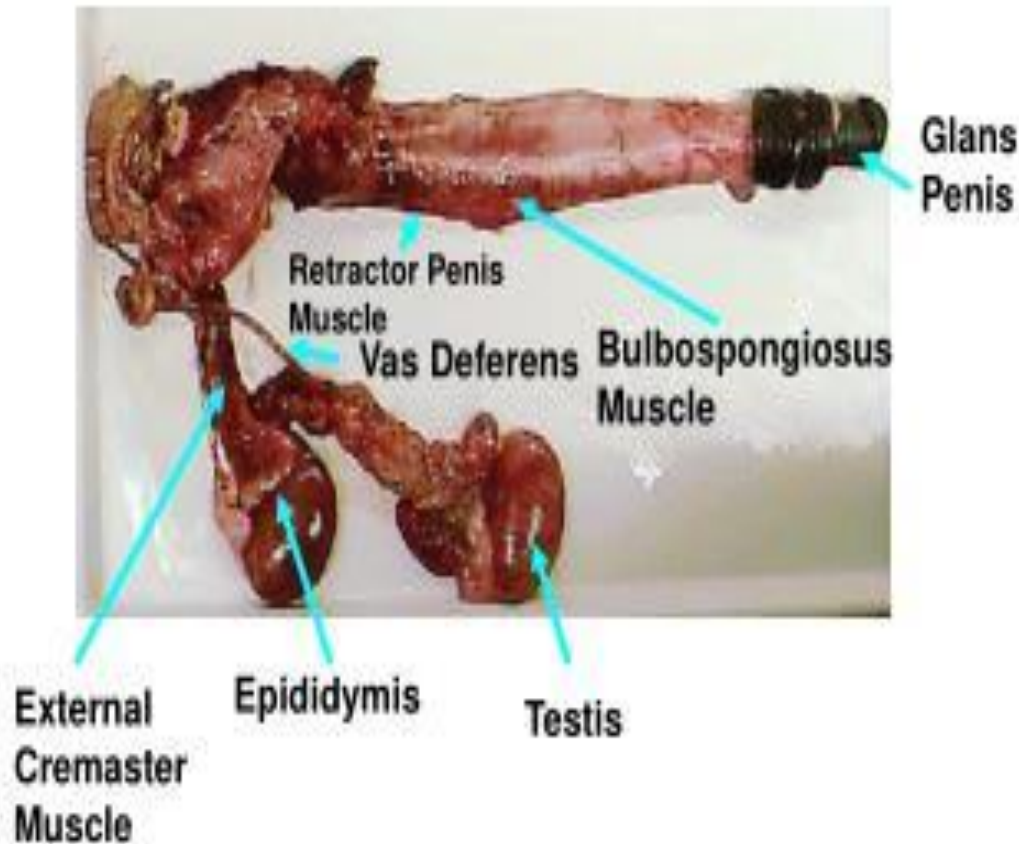


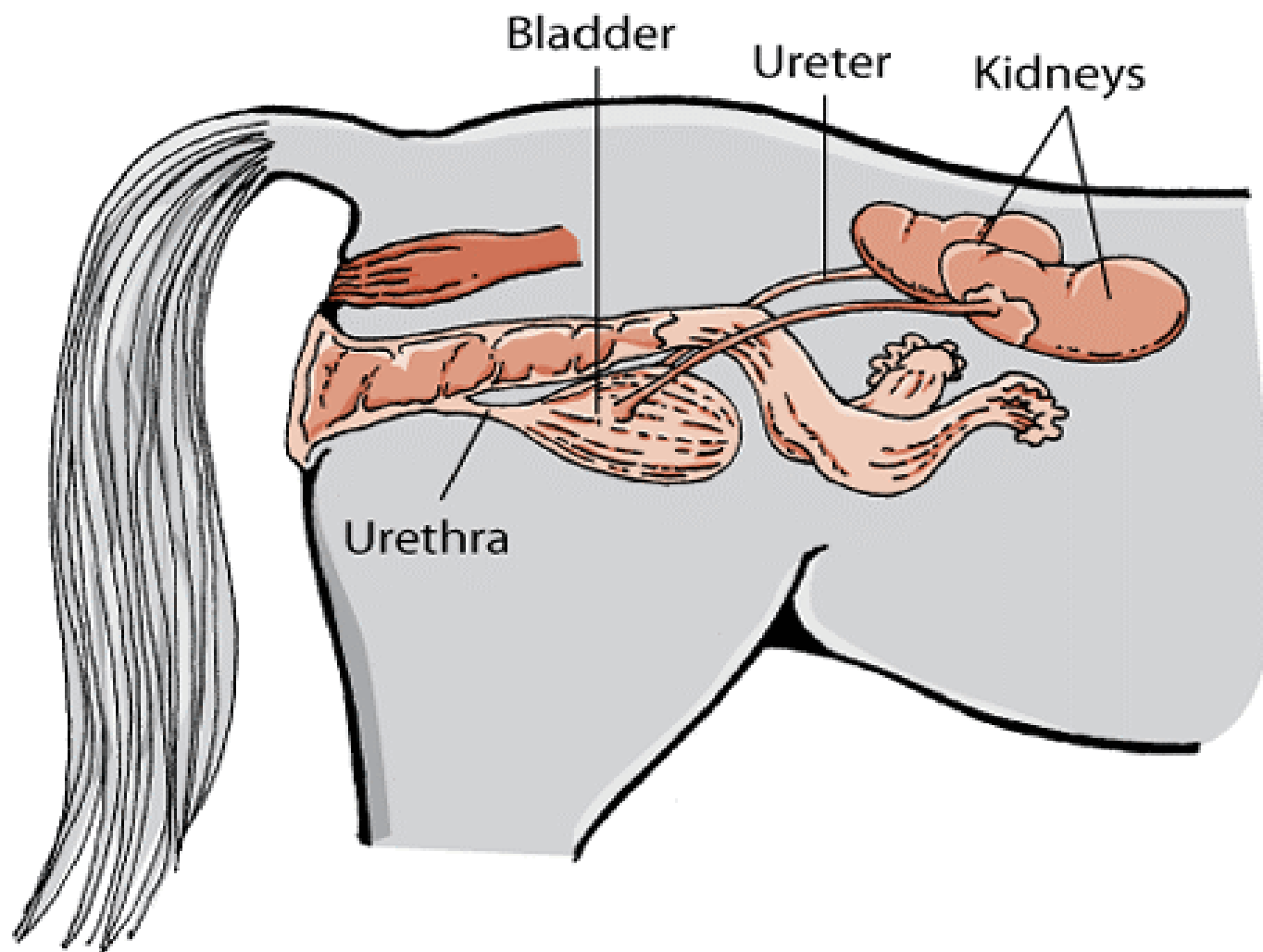
فیزیولوژی سه، جلسه دوم:

نگرشی بر تشریح فیزیولوژیکی دستگاه تولید مثل
در حیوان نر و ماده

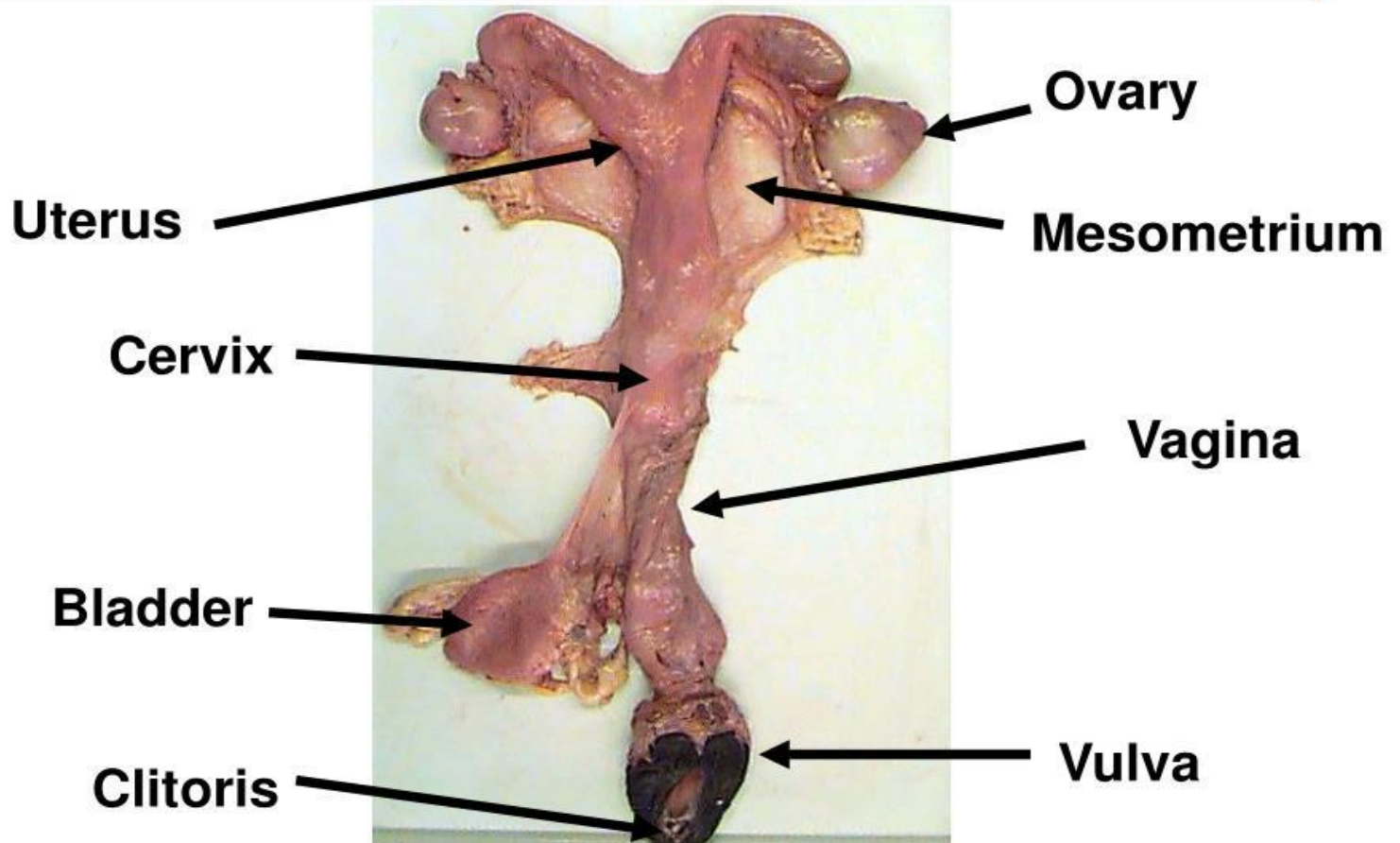


Stallion Reproductive Tract





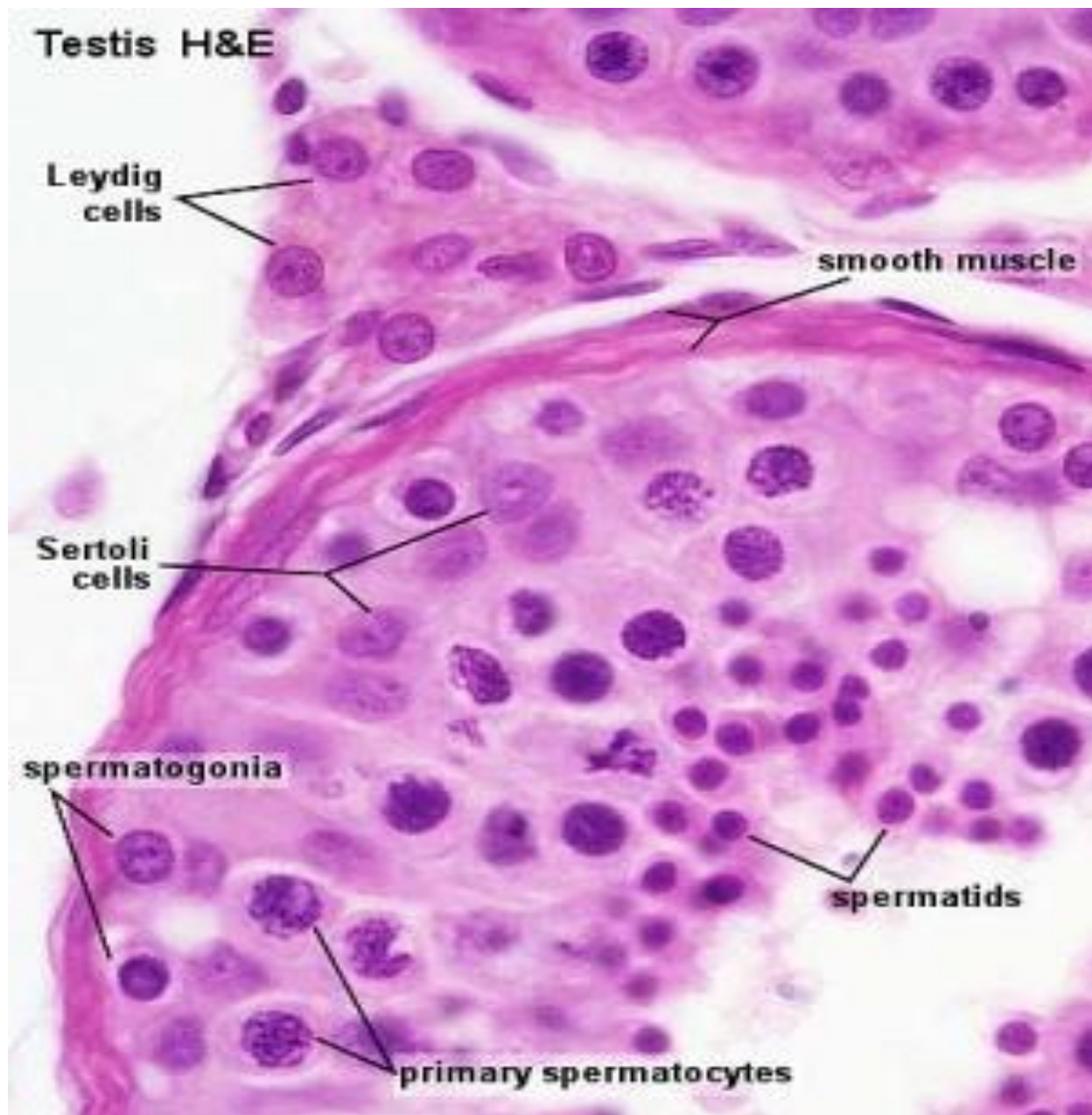
Mare Reproductive Tract



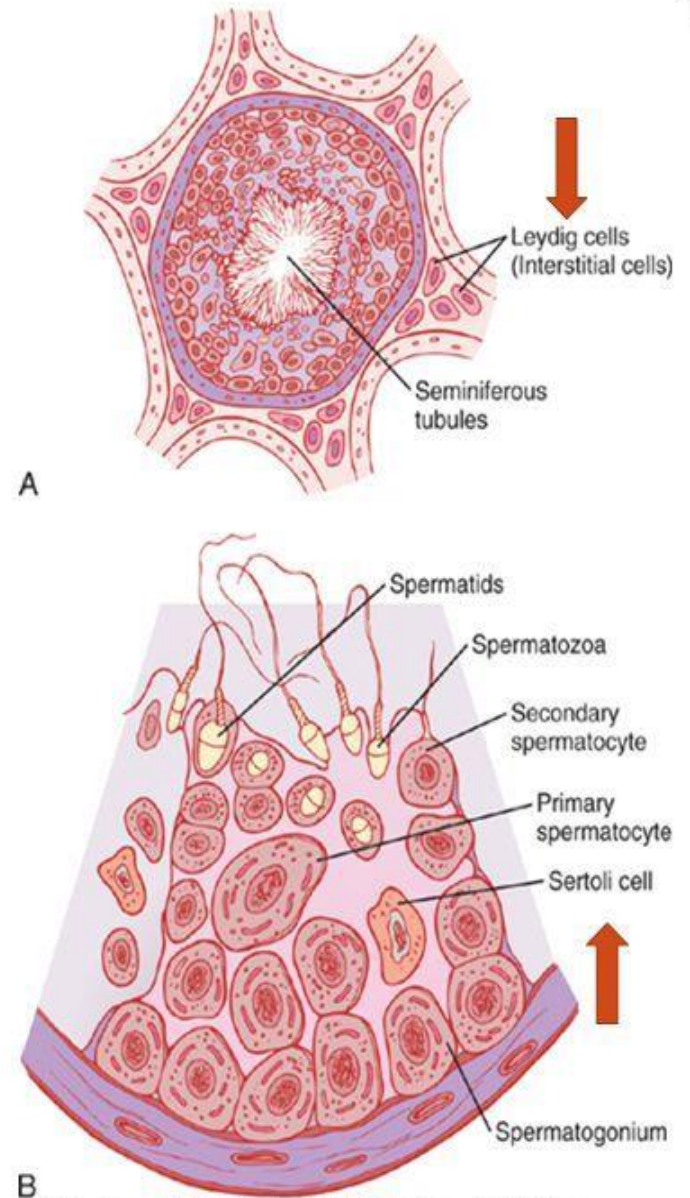
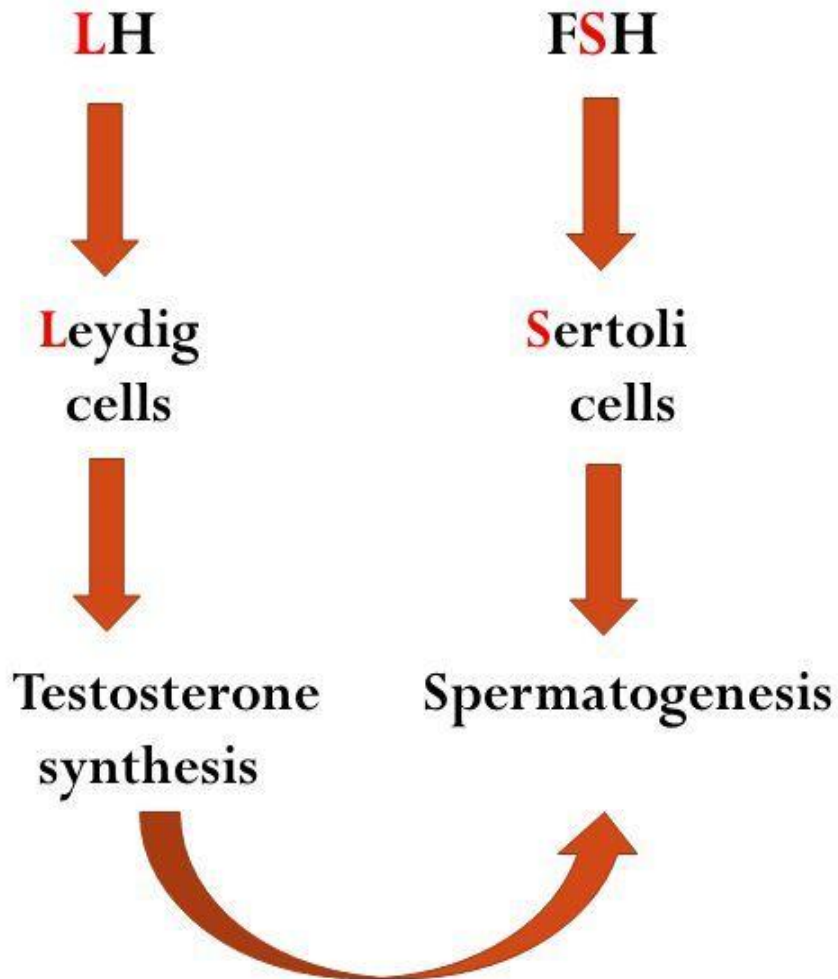
فیزیولوژی سه، جلسه سوم:

فیزیولوژی گناد و غدد ضمیمه تولید مثلی در
حیوان نر

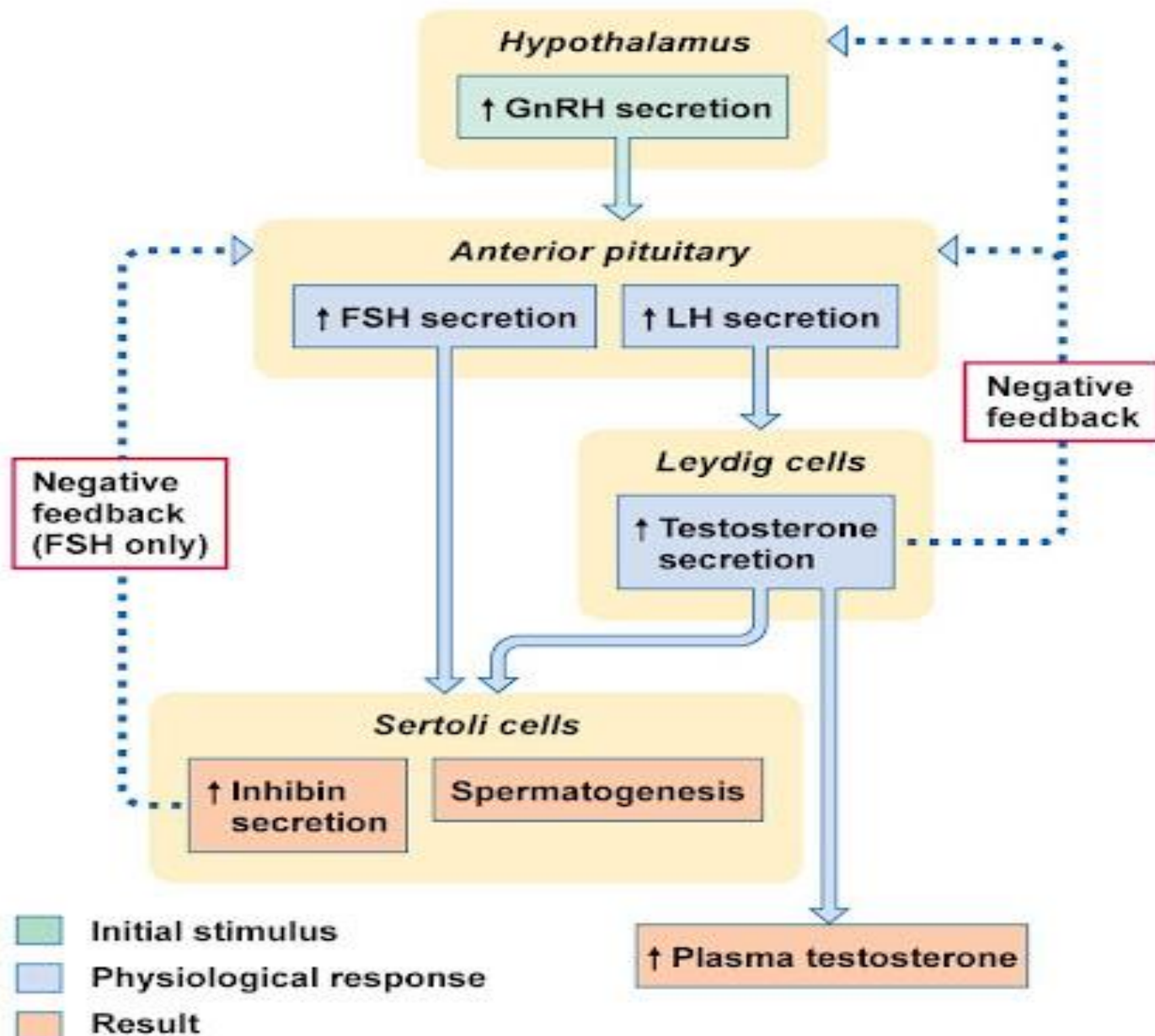
Testis H&E

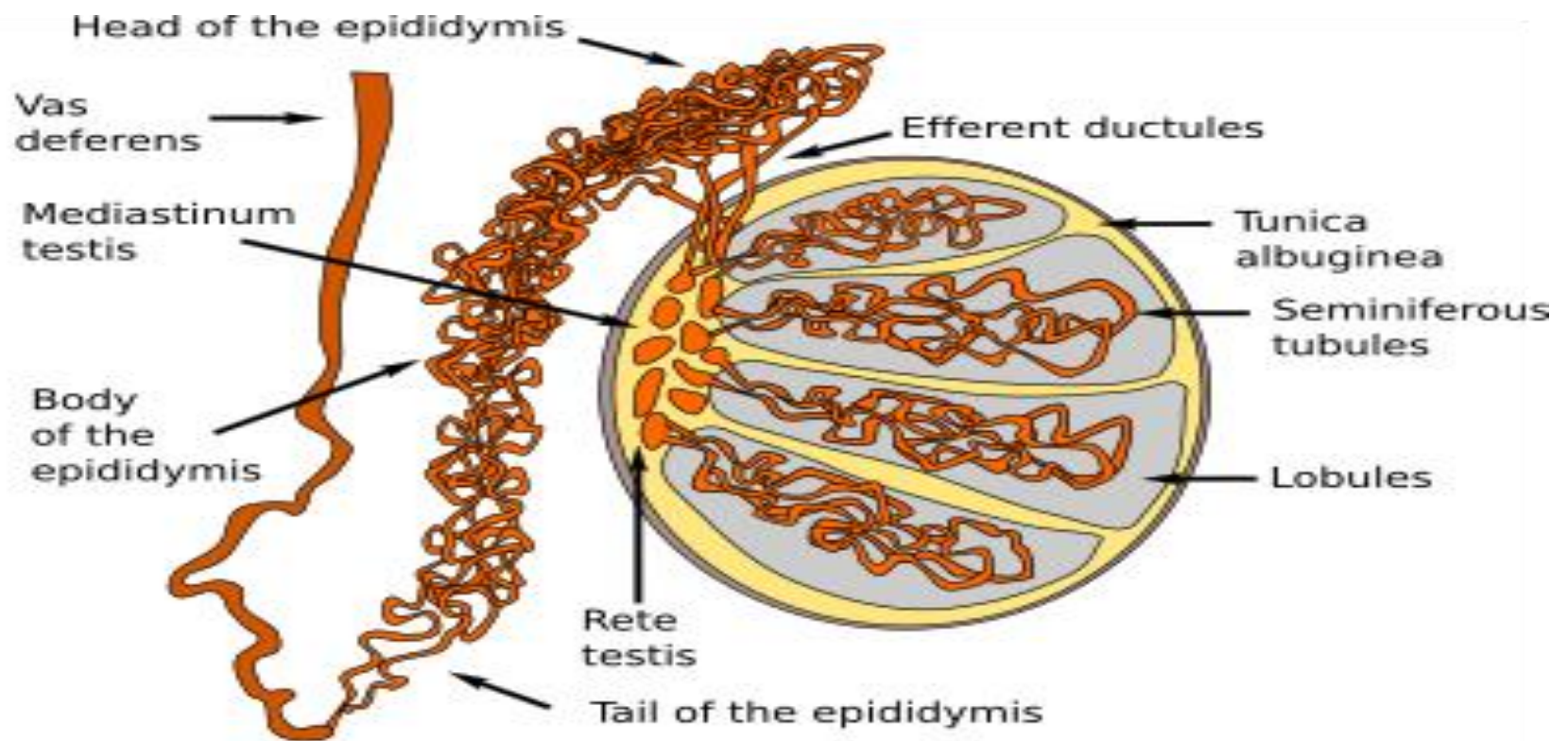


Males

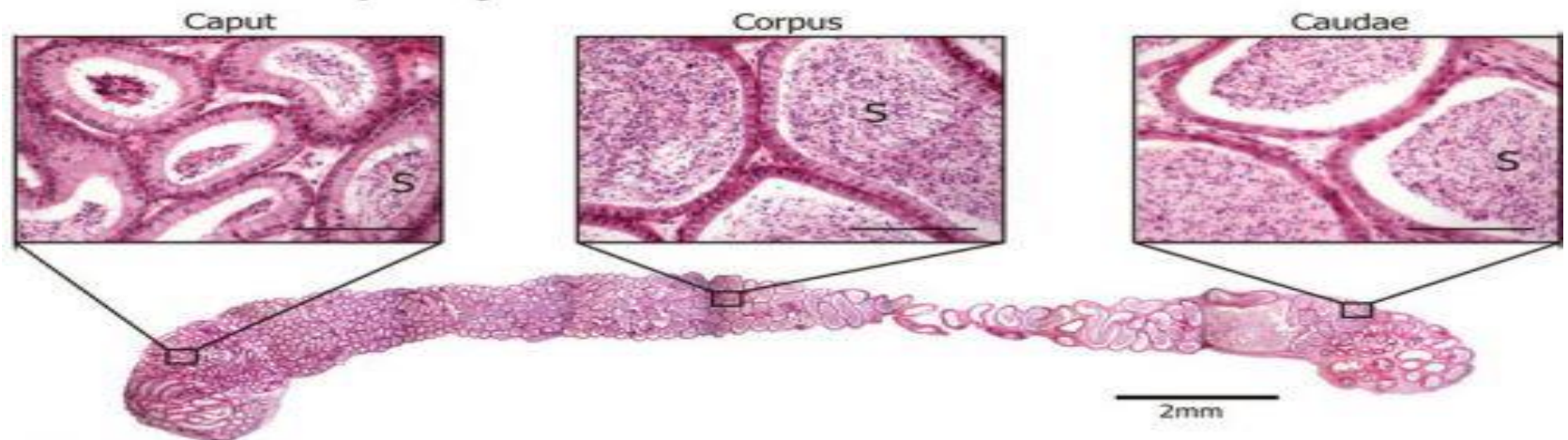


Hall: Guyton and Hall Textbook of Medical Physiology, 12th Edition
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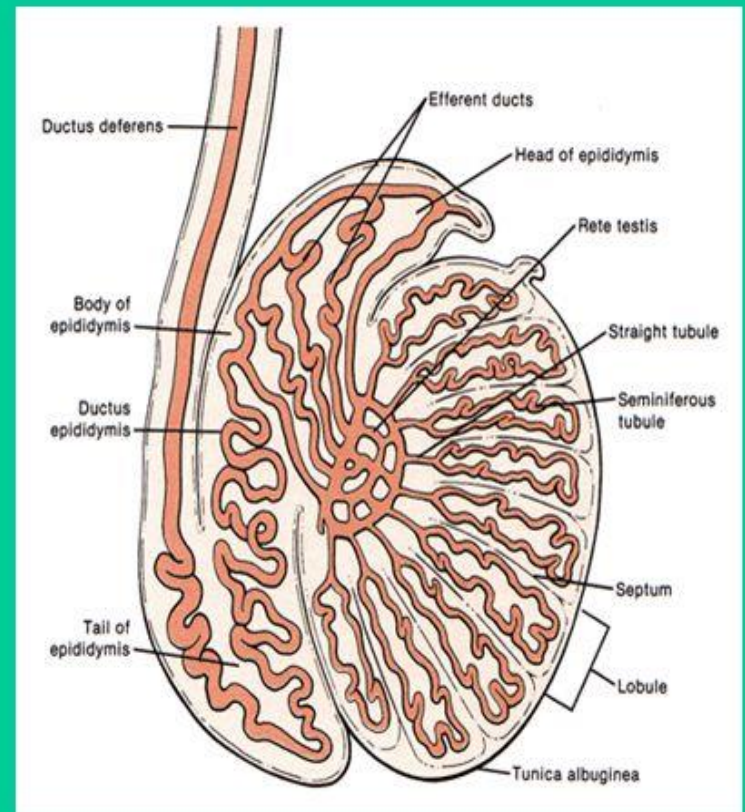


Mouse testis epididymis

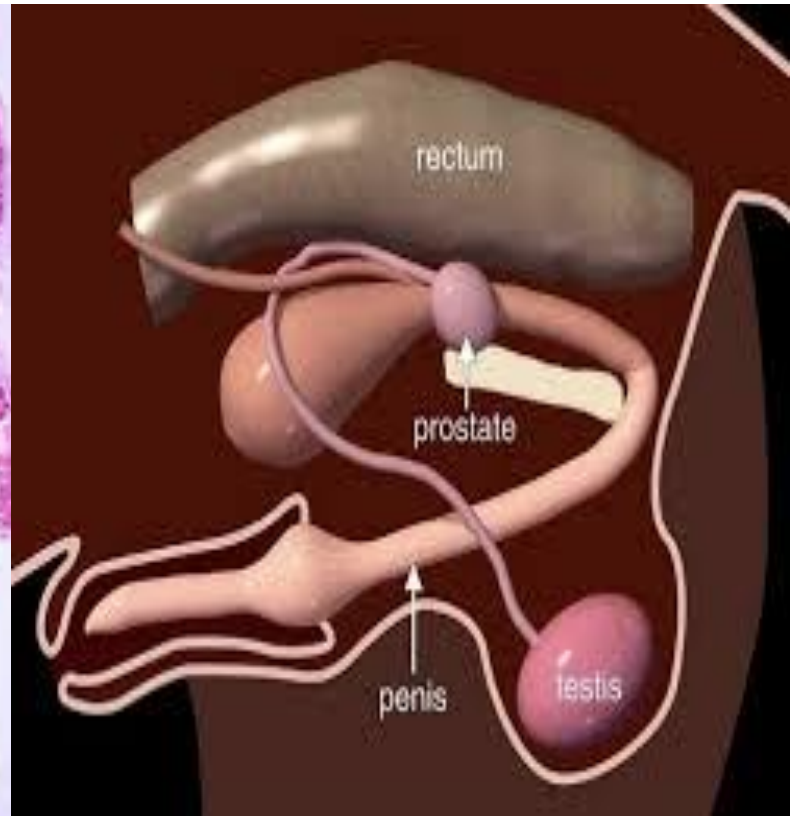


Epididymis

- Sperm leave the testes and enter the epididymis
- Tightly coiled tube, 20 feet long
- Located in the scrotum, just above the testes
- Function
 - Store sperm until it matures
 - Produce fluid which becomes part of semen



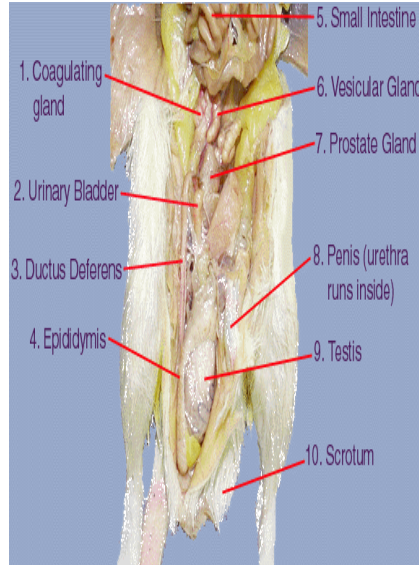
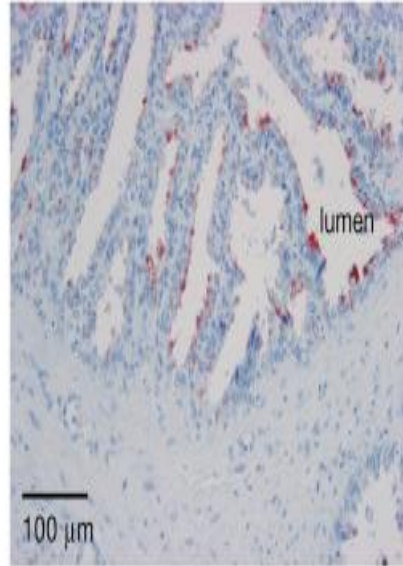
Prostate gland cleanses and lubricates and secretes just prior during ejaculation



Mouse SV



Human SV



Function of Seminal Vesicles.

- Secretes mucoid material with fructose, citric acid, other nutrients, prostaglandins and Fibrinogen.
- Seminal vesicles empty their contents during emission into ejaculatory duct.
- Prostaglandins may-
 - modify cervical mucus for sperm motility and
 - reverse peristalsis in uterus and fallopian tubes to facilitate sperm motility.
- Largest volume contribution to the semen.

فیزیولوژی سه، جلسه چهارم:

فیزیولوژی گناد در حیوان ماده:

چرخه های تخمدانی

تخمک گذاری

جسم زرد

The ovary

