Male reproductive system
Tunica albugínea
Seminiferous Tubules

myoid cells: small flattened smooth muscle cells in basal part

interstitial space contains Leydig cell

spermatogonia
Spermatogenesis

- Spermatogonia
- Sertoli cells
- Spermatocytes
- Spermatids
Intratesticular Genital Ducts

- Efferent ducts
- Junction Point of the rete testis and the Efferent ducts
- Aberrant ducts
- Efferent ducts
Excretory Genital Ducts

- epididymis
- basal cell
- columnar cell
- spermatid
- connective tissue and smooth muscle
- microvilli
- stereocilia
- pseudostratified columnar
ductus (vas) deferens
Accessory Genital Glands

- Glandular epithelium
- Connective tissue
- Smooth muscle
- Glands
- Connective tissue
- Smooth muscle
- Prostatic urethra
prostatic concretions (corpora amylacea)
Female reproductive system
Ovary
ovary
Stages of Follicular Development

- Primordial follicle
- Oocyte
- Granulosa cells
- Zona pellucida
- Primary follicles
- Follicular cells
- Ovary H&E
FOLLICULAR GROWTH
preantral Follicular

is formed by oocyte and granulosa
Antral follicle
Graafian follicle

CO: cumulus oophrous
A: antrum
SG : granulosa layer (Stratum Granulosum)
TI : theca interna
Atresia

normal process

- Oocyte
- Antrum
- Dead granulosa cells
- Granulosa layer
Corpus Luteum

arrows: cells of theca interna

Cav: follicular cavity

Corpus luteum

Ovarian stroma
Slide 17 Ovary

Corpus albicans

Corpus albicans

Collagen

Ovarian stroma
Fallopian tube
OVIDUCTS (Fallopian Tubes)
Fallopian Tube Histology

- Mucosa
- Lumen
- Muscularis
- Ciliated cells
- Secretory cells
- Lamina propria
- Cilia
uterus
The Uterus

- Lumen of uterus
- Simple columnar epithelium
- Endometrial stroma
- Endometrial gland
- Stratum functionalis
- Endometrium
- Stratum basalis
- Myometrium
Normal cervix is seen at high power, with non-keratinizing squamous epithelium. The basal cells are seen at the right, and there is progressive maturation to the surface, where the flattened squamous cells have a low nuclear/cytoplasmic ratio with abundant pale-staining cytoplasm containing glycogen. The epithelium lies above the basement membrane. The submucosa is at the far right.
The vagina has a stratified squamous epithelium, beneath which is a vascular lamina propria without any glands.
Thank You!