

## Items to Identify: Male Reproductive System

### Slides to Identify

- Slide 163 (19760): Fetal testis
  - Gonodocytes
- Slide 164: Testis, mouse
  - Sertoli cells, germ cells, spermatogonia, mitotic figures, spermatocytes, primary spermatocytes, secondary spermatocytes, spermatids, intercellular bridges
  - Interstitium, lymphatic vessels, capillaries, Leydig cells, myoid cells, fibroblasts
- Slide 165: Testis
  - Sertoli cells, germ cells, spermatogonia, mitotic figures, spermatocytes, primary spermatocytes, secondary spermatocytes, spermatids, intercellular bridges
  - Interstitium, lymphatic vessels, capillaries, Leydig cells, myoid cells, fibroblasts
- Slide 168: Seminal vesicle, monkey
  - Pseudostratified columnar secretory epithelium, honeycomb lamina propria
- Slide 169: Prostate
  - Collagenous connective tissue, smooth muscle, secretory epithelium
- Slide 196: Spermatic cord
  - Ductus deferens, thick muscular wall, pseudostratified columnar, stereocilia, arteries and veins
- Slide 199: Epididymis – head; efferent ductules
  - Epididymis, spermatozoa, macrophages, pseudostratified columnar epithelium, microvilli, smooth muscle
- Slide 271: Prostate
  - Collagenous connective tissue, smooth muscle, secretory epithelium
- Slide 277: Penis
  - Dense connective tissue, cavernous erectile tissue, penile urethra, spongy erectile tissue
- Slide 467: Testis and epididymis
  - Sertoli cells, germ cells, spermatogonia, mitotic figures, spermatocytes, primary spermatocytes, secondary spermatocytes, spermatids, intercellular bridges
  - Interstitium, lymphatic vessels, capillaries, Leydig cells, myoid cells, fibroblasts
  - Mediastinum testis, rete testis, epididymis
  - Epididymis, spermatozoa, macrophages, pseudostratified columnar epithelium, microvilli, smooth muscle
- Slide 19618: Testis/capsule
  - Sertoli cells, germ cells, spermatogonia, mitotic figures, spermatocytes, primary spermatocytes, secondary spermatocytes, spermatids
  - Interstitium, lymphatic vessels, capillaries, Leydig cells, myoid cells, fibroblasts
- Slide 19673: Efferent duct/epididymis
  - Epididymis, spermatozoa, macrophages, pseudostratified columnar epithelium, microvilli, smooth muscle

- Slide 19678: Epididymis/ductus deferens
  - o Epididymis, spermatozoa, macrophages, pseudostratified columnar epithelium, microvilli, smooth muscle
- Slide 19680: Human testis (toluidine blue, thin Epon section)
  - o Sertoli cells, germ cells, spermatogonia, mitotic figures, spermatocytes, primary spermatocytes, secondary spermatocytes, spermatids, intercellular bridges
  - o Interstitium, lymphatic vessels, capillaries, Leydig cells, myoid cells, fibroblasts
- Slide 19709: Testis/rete testis
  - o Sertoli cells, germ cells, spermatogonia, mitotic figures, spermatocytes, primary spermatocytes, secondary spermatocytes, spermatids, intercellular bridges
  - o Interstitium, lymphatic vessels, capillaries, Leydig cells, myoid cells, fibroblasts
  - o Mediastinum testis, rete testis, epididymis
- Slide 19716: Tail epididymis
  - o Epididymis, spermatozoa, macrophages, pseudostratified columnar epithelium, microvilli, smooth muscle
- Slide 19760: Fetal testis
  - o Gonocytes
- Slide UT165: Human testis
  - o Sertoli cells, germ cells, spermatogonia, mitotic figures, spermatocytes, primary spermatocytes, secondary spermatocytes, spermatids, intercellular bridges
  - o Interstitium, lymphatic vessels, capillaries, Leydig cells, myoid cells, fibroblasts
- Slide UT166: Human testis
  - o Sertoli cells, germ cells, spermatogonia, mitotic figures, spermatocytes, primary spermatocytes, secondary spermatocytes, spermatids, intercellular bridges
  - o Interstitium, lymphatic vessels, capillaries, Leydig cells, myoid cells, fibroblasts, capsule
- Slide UT196: Spermatic cord
  - o Ductus deferens, thick muscular wall, pseudostratified columnar, stereocilia, arteries and veins
  - o Developmental steps of spermatogenesis, ID all germ cell types
- Slide Spermatic cord 36 yr: spermatic cord (toluidine blue)
  - o Ductus deferens, blood vessels

#### Slides to Identify

- EM 8h: Macrophage in the testis; 30,000x
  - o Macrophage in interstitium of testis, thick basal lamina of Sertoli cell
- EM (LM) 19: Seminiferous tubules; 1,500x
  - o Spermatogonia, spermatocytes, young spermatids, mature spermatids, myoid cells, Leydig cells
- EM 19a: Seminiferous epithelium; 5,500x
  - o Sertoli cells, spermatogonia, spermatocytes, spermatids, cytoplasmic bridge, manchette
- EM 19b: Spermatozoa; 3,000 to 41,000x
  - o Nucleus, acrosome, axoneme, mitochondria, plasma membrane

- EM 19c: Sertoli cell; 13,300x
  - Sertoli cell, heterophagic vacuoles, lipid droplets, mitochondria, microtubules, nuclear pores, synaptonemal complex
- EM 20: Leydig cell; 28,000x
  - Smooth endoplasmic reticulum, rough endoplasmic reticulum, mitochondria, tubular cristae, lipofuscin pigment granules, cell junctions, nuclear pores
- EM 21: Ductus deferens; 11,000x
  - Stereocilia, smooth endoplasmic reticulum swirls
- EM 22: Seminal vesicle; 9,600x
  - Abundant rough endoplasmic reticulum
- EM 23: Prostate; 31,000x
  - Abundant rough endoplasmic reticulum for protein secretion