

Items to Identify: Female Reproductive System

Slides to Identify

- Slide 129: Umbilical cord
 - o Two arteries, one vein
- Slide 170: Corpus luteum
 - o Germinal epithelium, tunica albuginea, cortex, medulla, blood vessels, lymphatics, nerves
 - o Primordial follicles, oocyte, simple squamous epithelium, follicular cells
 - o Maturing follicles, primary follicle, granulosa cells, stratum granulosum, zona pellucida, theca folliculi
 - o Follicular fluid, secondary follicle, theca interna, theca externa, antral follicle
 - o Membrana granulosa, cumulus oophorus, corona radiata, Graafian follicles
 - o Corpus luteum, granulosa lutein cells, theca lutein cells
- Slide 172: Ovary & Slide 173: Ovary & Slide 174: Ovary, monkey & Slide 175: Ovary, guinea pig
 - o Germinal epithelium, tunica albuginea, cortex, medulla, blood vessels, lymphatics, nerves
 - o Primordial follicles, oocyte, simple squamous epithelium, follicular cells
 - o Maturing follicles, primary follicle, granulosa cells, stratum granulosum, zona pellucida, theca folliculi
 - o Follicular fluid, secondary follicle, theca interna, theca externa, antral follicle
 - o Membrana granulosa, cumulus oophorus, corona radiata, Graafian follicles, corpus albicans
- Slide 176: Uterus, late secretory endometrium
 - o Mucosa endometrium, smooth muscle myometrium, outer serosa perimetrium, zona basalis, zona functionalis
 - o Vacuoles in basal cytoplasm, glycogen particles, spiral arteries
 - o Leukocytes, decidual reaction
- Slide 177: Uterus, early secretory endometrium
 - o Mucosa endometrium, smooth muscle myometrium, outer serosa perimetrium, zona basalis, zona functionalis
 - o Vacuoles in basal cytoplasm, glycogen particles, spiral arteries
- Slide 178: Vagina
 - o Multilayered epithelium, lamina propria, muscularis, serosa, germinal layer, parabasal cells, intermediate cells, superficial squamous cells
 - o Collagen fibers, blood vessels, no glands
- Slide 179: Fallopian tube
 - o Infundibular portion, fimbriae, ampulla, isthmus, simple columnar epithelium, lamina propria, fimbriated, ciliated cells, secretory cells, intraepithelial lymphocytes, muscularis
- Slide 180: Cervix
 - o Endocervix, simple columnar epithelium, mucous secretion, cervical mucus, ectocervix, external os
 - o Lumen, cervical glands, lamina propria, smooth muscle
- Slide 181: Uterus, very late secretory endometrium
 - o Leukocytes, decidual reaction
- Slide 182: Breast during pregnancy

- o Secretory cells
- Slide 268: Ovary, guinea pig
 - o Germinal epithelium, tunica albuginea, cortex, medulla, blood vessels, lymphatics, nerves
 - o Primordial follicles, oocyte, simple squamous epithelium, follicular cells
 - o Maturing follicles, primary follicle, granulosa cells, stratum granulosum, zona pellucida, theca folliculi
 - o Follicular fluid, secondary follicle, theca interna, theca externa, antral follicle
 - o Membrana granulosa, cumulus oophorus, corona radiata, Graafian follicles
 - o Atresia, death of oocyte, collapse of zona pellucida, macrophages, glassy membranes
 - o Corpus luteum, granulosa lutein cells, theca lutein cells
- Slide 272: Uterus with fetus embedded
 - o Myometrium, endometrium, implantation
- Slide 273: Mother fetal interface, placenta
 - o Placenta, mother's blood, blood vessels
- Slide 274: Uterus, late proliferative endometrium
 - o Mucosa endometrium, smooth muscle myometrium, outer serosa perimetrium, zona basalis, zona functionalis
 - o Tall, mitotically active epithelia, convoluted glands
- Slide 275: Uterus, early secretory endometrium
 - o Mucosa endometrium, smooth muscle myometrium, outer serosa perimetrium, zona basalis, zona functionalis
 - o Tall, mitotically active epithelia, convoluted glands
 - o Vacuoles in basal cytoplasm, glycogen particles, spiral arteries
- Slide 280: Ovary, guinea pig
 - o Germinal epithelium, tunica albuginea, cortex, medulla, blood vessels, lymphatics, nerves
 - o Primordial follicles, oocyte, simple squamous epithelium, follicular cells
 - o Maturing follicles, primary follicle, granulosa cells, stratum granulosum, zona pellucida, theca folliculi
 - o Follicular fluid, secondary follicle, theca interna, theca externa, antral follicle
 - o Membrana granulosa, cumulus oophorus, corona radiata, Graafian follicles
 - o Atresia, death of oocyte, collapse of zona pellucida, macrophages, glassy membranes
- Slide 282: Ovary, mouse (toluidine blue)
 - o Germinal epithelium, tunica albuginea, cortex, medulla, blood vessels, lymphatics, nerves
 - o Primordial follicles, oocyte, simple squamous epithelium, follicular cells
 - o Maturing follicles, primary follicle, granulosa cells, stratum granulosum, zona pellucida, theca folliculi
 - o Follicular fluid, secondary follicle, theca interna, theca externa, antral follicle
 - o Membrana granulosa, cumulus oophorus, corona radiata, Graafian follicles
 - o Corpus luteum, granulosa lutein cells, theca lutein cells
- Slide 410: Breast
 - o Dormant mammary gland, lack of glands and fat cells
- Slide 411: Nipple
 - o Sebaceous glands, lactiferous ducts

- Slide 472: Fallopian tube
 - o Infundibular portion, fimbriae, ampulla, isthmus, simple columnar epithelium, lamina propria, fimbriated , ciliated cells, secretory cells, intraepithelial lymphocytes, muscularis
- Slide 473: Uterus, early proliferative endometrium
 - o Mucosa endometrium, smooth muscle myometrium, outer serosa perimetrium, zona basalis, zona functionalis
 - o Thin endometrium, cuboidal, low columnar cells, glands, stroma
- Slide 478: Cervix
 - o Endocervix, simple columnar epithelium, mucous secretion, cervical mucus, ectocervix, external os
- Slide 480: Vagina
 - o Multilayered epithelium, lamina propria, muscularis, serosa, germinal layer, parabasal cells, intermediate cells, superficial squamous cells
 - o Collagen fibers, blood vessels, no glands
- Slide 482: Breast, pregnancy
 - o Secretory cells

EMs to Identify

- EM 24: Corpus luteum; 31,000x
 - o Granulosa lutein cell, extensive smooth endoplasmic reticulum, large mitochondria with tubular cristae
- EM 25: Ovary; 71,000x
 - o Primary follicles, oocyte cytoplasm crystalloid, zona pellucida, cuboidal follicular cells, thick basement membrane, collagen fibers
- EM 26: Trophoblast; 20,000x
 - o Microvilli projections, tubular cristae