**Items to Identify: Female Reproductive System**

**Slides to Identify**

* Slide 129: Umbilical cord
	+ Two arteries, one vein
* Slide 170: Corpus luteum
	+ Germinal epithelium, tunica albuginea, cortex, medulla, blood vessels, lymphatics, nerves
	+ Primordial follicles, oocyte, simple squamous epithelium, follicular cells
	+ Maturing follicles, primary follicle, granulosa cells, stratum granulosum, zona pellucida, theca folliculi
	+ Follicular fluid, secondary follicle, theca interna, theca externa, antral follicle
	+ Membrana granulosa, cumulus oophorus, corona radiate, Graafian follicles
	+ Corpus luteum, granulosa lutein cells, theca lutein cells
* Slide 172: Ovary & Slide 173: Ovary & Slide 174: Ovary, monkey & Slide 175: Ovary, guinea pig
	+ Germinal epithelium, tunica albuginea, cortex, medulla, blood vessels, lymphatics, nerves
	+ Primordial follicles, oocyte, simple squamous epithelium, follicular cells
	+ Maturing follicles, primary follicle, granulosa cells, stratum granulosum, zona pellucida, theca folliculi
	+ Follicular fluid, secondary follicle, theca interna, theca externa, antral follicle
	+ Membrana granulosa, cumulus oophorus, corona radiate, Graafian follicles, corpus albicans
* Slide 176: Uterus, late secretory endometrium
	+ Mucosa endometrium, smooth muscle myometrium, outer serosa perimetrium, zona basalis, zona functionalis
	+ Vacuoles in basal cytoplasm, glycogen particles, spiral arteries
	+ Leukocytes, decidual reaction
* Slide 177: Uterus, early secretory endometrium
	+ Mucosa endometrium, smooth muscle myometrium, outer serosa perimetrium, zona basalis, zona functionalis
	+ Vacuoles in basal cytoplasm, glycogen particles, spiral arteries
* Slide 178: Vagina
	+ Multilayered epithelium, lamina propria, muscularis, serosa, germinal layer, parabasal cells, intermediate cells, superficial squamous cells
	+ Collagen fibers, blood vessels, no glands
* Slide 179: Fallopian tube
	+ Infundibular portion, fimbriae, ampulla, isthmus, simple columnar epithelium, lamina propria, fimbriated , ciliated cells, secretory cells, intraepithelial lymphocytes, muscularis
* Slide 180: Cervix
	+ Endocervix, simple columnar epithelium, mucous secretion, cervical mucus, ectocervix, external os
	+ Lumen, cervical glands, lamina propria, smooth muscle
* Slide 181: Uterus, very late secretory endometrium
	+ Leukocytes, decidual reaction
* Slide 182: Breast during pregnancy
	+ Secretory cells
* Slide 268: Ovary, guinea pig
	+ Germinal epithelium, tunica albuginea, cortex, medulla, blood vessels, lymphatics, nerves
	+ Primordial follicles, oocyte, simple squamous epithelium, follicular cells
	+ Maturing follicles, primary follicle, granulosa cells, stratum granulosum, zona pellucida, theca folliculi
	+ Follicular fluid, secondary follicle, theca interna, theca externa, antral follicle
	+ Membrana granulosa, cumulus oophorus, corona radiate, Graafian follicles
	+ Atresia, death of oocyte, collapse of zona pellucida, macrophages, glassy membranes
	+ Corpus luteum, granulosa lutein cells, theca lutein cells

* Slide 272: Uterus with fetus embedded
	+ Myometrium, endometrium, implantation
* Slide 273: Mother fetal interface, placenta
	+ Placenta, mother’s blood, blood vessels
* Slide 274: Uterus, late proliferative endometrium
	+ Mucosa endometrium, smooth muscle myometrium, outer serosa perimetrium, zona basalis, zona functionalis
	+ Tall, mitotically active epithelia, convoluted glands
* Slide 275: Uterus, early secretory endometrium
	+ Mucosa endometrium, smooth muscle myometrium, outer serosa perimetrium, zona basalis, zona functionalis
	+ Tall, mitotically active epithelia, convoluted glands
	+ Vacuoles in basal cytoplasm, glycogen particles, spiral arteries
* Slide 280: Ovary, guinea pig
	+ Germinal epithelium, tunica albuginea, cortex, medulla, blood vessels, lymphatics, nerves
	+ Primordial follicles, oocyte, simple squamous epithelium, follicular cells
	+ Maturing follicles, primary follicle, granulosa cells, stratum granulosum, zona pellucida, theca folliculi
	+ Follicular fluid, secondary follicle, theca interna, theca externa, antral follicle
	+ Membrana granulosa, cumulus oophorus, corona radiate, Graafian follicles
	+ Atresia, death of oocyte, collapse of zona pellucida, macrophages, glassy membranes
* Slide 282: Ovary, mouse (toluidine blue)
	+ Germinal epithelium, tunica albuginea, cortex, medulla, blood vessels, lymphatics, nerves
	+ Primordial follicles, oocyte, simple squamous epithelium, follicular cells
	+ Maturing follicles, primary follicle, granulosa cells, stratum granulosum, zona pellucida, theca folliculi
	+ Follicular fluid, secondary follicle, theca interna, theca externa, antral follicle
	+ Membrana granulosa, cumulus oophorus, corona radiate, Graafian follicles
	+ Corpus luteum, granulosa lutein cells, theca lutein cells
* Slide 410: Breast
	+ Dormant mammary gland, lack of glands and fat cells
* Slide 411: Nipple
	+ Sebaceous glands, lactiferous ducts
* Slide 472: Fallopian tube
	+ Infundibular portion, fimbriae, ampulla, isthmus, simple columnar epithelium, lamina propria, fimbriated , ciliated cells, secretory cells, intraepithelial lymphocytes, muscularis
* Slide 473: Uterus, early proliferative endometrium
	+ Mucosa endometrium, smooth muscle myometrium, outer serosa perimetrium, zona basalis, zona functionalis
	+ Thin endometrium, cuboidal, low columnar cells, glands, stroma
* Slide 478: Cervix
	+ Endocervix, simple columnar epithelium, mucous secretion, cervical mucus, ectocervix, external os
* Slide 480: Vagina
	+ Multilayered epithelium, lamina propria, muscularis, serosa, germinal layer, parabasal cells, intermediate cells, superficial squamous cells
	+ Collagen fibers, blood vessels, no glands
* Slide 482: Breast, pregnancy
	+ Secretory cells

**EMs to Identify**

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