Lab Practical 3 - BIOL 2402

|  |  |  |
| --- | --- | --- |
| Lab 49 & 50: Organs of the Digestive System | | |
| labia | alimentary canal wall | hepatopancreatic duct |
| oral cavity | mucosa | hepatopancreatic sphincter |
| vestibule | submucosa | small intestine |
| lingual frenulum | submucosal plexus | sections |
| labial frenulum | muscularis externa | duodenum |
| hard palate | circular muscle | jejunum |
| soft palate | longitudinal muscle | ileum |
| uvula | oblique muscle | plicae circulares |
| tonsils | myenteric plexus | villus |
| lingual | serosa | microvilli |
| palantine | visceral peritoneum | lacteal |
| pharyngeal (adenoids) | peritoneal extensions | Peyer's patches |
| salivary glands | mesocolon\* | ileocecal sphincter |
| parotid | mesentery | large intestine |
| sublingual | greater omentum | cecum |
| submandibular | stomach | vermiform appendix |
| teeth | lower esophageal (cardiac) sphincter | colon |
| incisor | greater curvature | ascending |
| cuspid (canines) | lesser curvature | hepatic flexure |
| bicuspid (premolar) | rugae | transverse |
| molars | gastric pit | splenic flexure |
| tooth | regions | descending |
| crown | cardiac | sigmoid |
| enamel | fundic | haustra |
| dentin | body | teniae coli |
| root | pyloric | rectum |
| alveolar fossa | pyloric sphincter | anal canal |
| gingiva | pancreas | internal anal sphincter |
| pharynx | pancreatic duct | external anal sphincter |
| nasopharynx | liver | anus |
| oropharynx | lobe (l. & rt.) |  |
| laryngopharynx | falciform ligament |  |
| larynx | hepatic duct (l & rt) |  |
| hyoid | common hepatic duct |  |
| epiglottis | common bile duct |  |
| esophagus | gall bladder |  |
|  | cystic duct |  |

**\* not in lab manual – check text, website, or other source**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Lab 59 & 61: Male Reproductive System | | | | | | |
| scrotum | penis | | sperm | | | |
| testis |  | penile urethra |  | head | | |
| interstitial (Leydig) cells |  | corpus cavernosum |  |  | acrosome | |
| seminiferous tubules |  | crus |  |  | DNA (23 chromo) |
| epididymis |  | corpus spongiosum |  | midpiece | | |
| spermatic cord |  | bulb |  | tail | | |
| vas (ductus) deferens |  | glans penis | spermatogenesis | | | |
| seminal vesicle |  | prepuce |  | Spermatogonia (46) | | |
| ejaculatory duct |  |  |  | 10 Spermatocyte (46) | | |
| prostate gland |  |  |  | 20 Spermatocyte (23) | | |
| prostatic urethra |  |  |  | Spermatids (23) | | |
| membranous urethra |  |  |  | Sperm (23) | | |
| bulbourethral (Cowper’s) gland |  |  | diploid vs. haploid | | | |

|  |  |  |
| --- | --- | --- |
| **Lab 60 & 61: Female Reproductive System** | | |
| vulva | uterine tubes (oviducts, fallopian) | supporting ligaments |
| mons pubis | fimbriae | broad |
| labia majora | ovaries | round |
| labia minora | primordial follicle | suspensory |
| vestibule | primary follicle | ovarian |
| clitoris | secondary follicle | oogenesis |
| urethral orifice | Graafian follicle | oogonia (46) |
| vaginal orifice | antrum | primary oocyte (46) |
| hymen | zona pellucida | secondary oocyte (23) |
| vestibular (Bartholin’s) gland | corona radiata | ovum (23) |
| vagina | corpus luteum | polar bodies (23) |
| cervix | corpus albicans | mammary gland |
| fornix |  | alveolar gland |
| uterus |  | alveolar duct |
| endometrium |  | lactiferous duct |
| myometrium |  | areola |
| perimetrium |  | nipple |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Lab 62: Fertilization & Early Development** | | | | | |
| zygote | placenta | | | fetal circulation | |
| morula |  |  | maternal portion |  | ductus arteriosus |
| blastocyst |  |  | fetal portion |  | ductus venosus |
| trophoblast |  | chorion | |  | foramen ovale |
| inner cell mass |  | chorionic villi | |  | umbilical cord |
| embryo / gastrula |  | | amnion |  | umbilical arteries |
| fetus |  |  | amniotic cavity |  | umbilical vein |
|  |  |  | yolk sac |  |  |
|  |  |  | allantois |  |  |

**\* not in lab manual – check text, website, or other source**