Lab Practical 3 - BIOL 2402

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| 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**

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| 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 |

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| **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 |

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| **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 |  |  |

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