

Lab 8 Study Aid – Digestive System + Urogenital System

1. Teaching Pearls
 - a. REMEMBER: READ the words – they tell you something about the structure you're trying to learn
 - i. E.g., ileocecal junction = attachment of Ileum and the Cecum
 - ii. Sublingual, submandibular, parotid (means near the ear)
 - iii. Renal = kidney, hepatic = liver
 - iv. Sigmoid -> refers to sigma (greek for letter S). Guess what shape the sigmoid colon takes...
 - b. Digestive
 - i. Bile
 1. Liver makes it
 2. Gall bladder stores it
 - ii. Order of components of small intestine (**duodenum, jejunum, ileum = Dow Jones Industrial**)
 1. More helpful: **Digestion Journey Intensifies** (increases)
 - iii. Superior mesenteric artery -> Small intestine
 - c. Urogenital
 - i. Exam questions will come mostly from plastic models
 - ii. Ureter vs. urethra: ureter is before bladder, urethr**A** is **A**fter bladder
 - iii. **SEVEN-UP** = order of male vessels:
 1. **S**eminiferous tubules, **E**pididymis, **V**as deferens, **E**jaculatory ducts, (**N** is blank), **U**rethra, **P**enis
 - a. Note: ductus deferens = vas deferens
 - iv. **PMS** – order of male urethra: **P**rostatic, **M**embranous, **S**pongy
2. Interactive activity suggestions
 - a. Tag-team digestion: You and your friends/classmates can trace the path of food through the body and describe what happens to the food at each body part. One person starts (says mouth – mechanical chewing of food and lubrication of food with saliva), and then they pick another person to say where food goes next).
3. Videos and pics:

[more for fun/interest, but these will walk you through anatomical parts too]

 - a. Chewing/swallowing: <http://www.youtube.com/watch?v=wqMCzuliPaM>
 - b. Full Digestion:
 - i. <https://www.youtube.com/watch?v=08VyJOEcDos>
 - c. Digestion from the inside (WARNING: these are real internal videos & can be kind of gross for a lot of people):
 - i. <https://www.youtube.com/watch?v=UzI6M1YIU3w>
 - ii. <https://www.youtube.com/watch?v=e3O1AdIC8bl>
 - d. Your manual covers pictures pretty well

EXAM INFO

4. Same format as Exams 1 and 2 (except cumulative Q's)
5. I.D. portion ~ 1/3 CUMULATIVE
6. Fun-fact Q's up to 50% CUMULATIVE
 - a. Broad, connecting-type questions that will likely bring multiple systems together
 - i. Ex: The trigeminal nerve innervates the _____, which inserts on the ramus.
 1. [answer = masseter].
 - ii. It might require you to know and recognize more detail, but focus most on understanding overarching connections between systems .
 - b. Clearly, questions linking nerves / brain functions to muscles / organs will be pretty easy to ask. Bones and muscles are also easy to link. Understanding general anatomical terms should be helpful, too.
7. Real hearts will show up on the exam.
8. Open Labs -- see powerpoint for details

Remember: STUDY NOW!! This test is very doable and a perfect opportunity to raise your lab grade up if you didn't do as well on one of the previous exams!!

Good luck studying!