

Plan for midterm exam  
July 23, 2013

~10-15 Multiple Choice

~ 5 identifications: in 2-3 sentences each, define and/or explain significance in class of terms or phrases

1-2 graph/table/diagrams that you've seen before. Answer questions related to the experiments done to generate the graph

1 question asking you to evaluate/prioritize conflicting or inconclusive information that's been assigned or presented in class. (Brizendine, Patisaul, film, ISNA website)

1-2 questions asking you to explain factual information in about a paragraph.

The following essay question will appear on the exam for 25-30%. Note: there may be an additional follow-up question that is unannounced.

1. Studying the male urination posture of poodles (i.e., male dogs lift their legs to pee while female dogs squat), Professor Doglover determined that there was a critical period between 3-6 months of age for the masculinizing effects of testosterone acting through androgen receptors. She also showed a necessary activational role of testosterone in adulthood. Describe (in reasonable detail) the experiments that Dr. Doglover had to conduct and the results that would have been found that support her conclusion. What treatments did she do to the dogs? What did she measure? Make sure each part of the conclusion is tested and supported.

Assume, of course, that she obtained informed consent from the dog owners and the dogs were well treated.

You are free to work with others to prepare an answer to this question but no collaboration is allowed during the exam.