

8. The authors conclude that “abnormal changes in serum lipids and LFT’s during treatment with oxandrolone...do not appear to outweigh their adverse effects.” What is the basis of the authors’ statement? Explain why you agree or disagree. (1 pt)

Ragan, McNeely, et al (2010) Diabetes Mellitus and Obesity

1. What is meant by a cross-sectional study design? What are the drawbacks to using this type of design? Despite these limitations, why might a researcher choose to use a cross-sectional design? (2 pts)
2. Describe the study sample derivation. What types of bias might result from some of the authors' analytic exclusions? Did they report any significant differences between the analytic sample and the excluded group? (3 pts)
3. What is the difference between dichotomous and continuous variables? (1 pt)
4. What statistical tests were used to test differences between BMI and the dichotomous and continuous variables, respectively? (1 pt)
5. What covariates were included in the study? Why include covariates? (2 pts)
6. If you were designing a similar study, what covariates would you consider to assess? (1 pt)
7. Referring to Table 1, did the authors report any group differences among persons with diabetes versus not? If yes, what were they? (2 pts)
8. Referring to Table 3, what does it mean to say "all models are adjusted for age, race, tobacco use..." (1 pt)
9. What does prevalence mean? (1 pt)
10. Based on the results, does use of the finer BMI categories result in a higher prevalence of diabetes? (1 pt)