

Name _____

Student Number _____

University of Toronto Mississauga
STA442/1008 2012
QUIZ 8 (11am)

For the bunny study, it makes sense to just interpret the main effects, since the interaction was not statistically significant. **Please base your conclusions below on the marginal means.**

1. (3 Points) We want to know if the drug had an effect. On your printout, circle the test statistic and p -value, and write the question number (1) beside it. ($F = 11.04, p = 0.0022$)
2. (7 Points) The reason for doing the bunnies study was to find out if the drug helped dental implants become more firmly attached to the bone. Based on the results of your statistical analysis (and only on the results of your statistical analysis), would you recommend proceeding to clinical trials with humans? *Answer Yes or No and briefly explain.* You can get full marks for a single sentence with no numbers and no statistical terminology. You have a lot more room than you need.

(No! The drug caused the implants to be *less* firmly attached.)

Please turn in your log file and your list file. Make sure your name and student number are written on both of them.