Supplement to the Clinical Pharmacokinetics Module

Since the most recent revision to the Pharmacokinetics module for the External Doctor of Pharmacy Program, several minor typographical errors have been identified. There is also a need for clarification regarding course-related issues and some of the answers in the solution set. The following information is provided as a means of updating your current module. These corrections will be incorporated into future printings of the course module.

Course related issues

Upon enrollment in the course, you have 6 months to complete (e.g. take the exam) the course. A 3-month extension will be granted at the instructor’s discretion; however, this extension request MUST be made prior to the 6-month deadline from the initial enrollment date. Requests for an extension made after the 6-month deadline will not be granted and you will need to re-enroll in the course. If you are uncertain as to the date of your initial enrollment, please contact the administrative office.

Re-take examinations are only offered to individuals that receive a non-passing score (< 65%). You will not be permitted to re-take the exam to improve a passing score on your initial exam. The re-take exam MUST be taken within 3 months of the date the initial exam was administered. The final grade for the course will be determined based on your performance on both exams.

Corrections to the Module

- Section 3, page 3-2, question #4: change “1350)” to “1330.” The correct wording is “…an infusion of 40 mg/hour is started @ 1330.”
- Section 4, page 4-4, question #4: change “every 8 hours” to “every 6 hours”
- Append 1, problem 7, the “24 hr” value currently listed in the denominator needs to be replaced with the correct value of “2.0 L/hr”
- Appendix 5, question #11b: change “0.016” to “0.16”. The answer of 1.79 mg is correct
- Appendix 6, question #14a: the equation listed is missing the denominator, the correct equation should be “C = (SFD/tau)/Cl”
- Appendix 7, question #3: the correct factor for Rifampin is “1.3”. The value “12” in the Cl calculation was supposed to be “1.2” based on an earlier edition of Winter’s text. The correct value, as displayed in Winter’s current text, is “1.3”. The stated Cl value of “2.46 L/hr” is based on a factor of 1.2, increasing the factor to 1.3 will also increase Cl to “2.66 L/hr”
- Appendix 9, method #1: change “0.33” to “5.33”
- Appendix 10, question #1c: the equation listed is incorrect. The denominator “(1 – e^(-Kd(t2)))” should actually be “(e^(-Kd(t2)))”. Please remove “1 -”. The actual calculation includes the correct parameters.
- Appendix 13, question #2b: the equation listed for C^min is incorrect. Similar to the error in Appendix-10, the correct parameter in the numerator should be “(e^(-Kd(t2)))” and not “(1 – e^(-Kd(t2)))”
- Appendix 22, question 2a (top of the page): replace the word “changed” with “held”. To clarify – the primary issue being illustrated is the influence on C^min if the dose is “held” or delayed for another 12 hours (e.g. q 24 hrs) or 36 hours (e.g., q 48 hrs). If in fact the actual regimen were “changed” to a true q 24 hr or q 48 hr basis, the C^ of 49.3 mg/L would obviously be different as well.

If you are aware of any additional typographical errors in the module or if there are other items that need clarification, please contact me via e-mail at garris@wsu.edu and let me know. I apologize for any confusion or inconvenience the above inaccuracies may have caused.