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APhA

# *The APhA Complete Review for the FPGEE* Corrections

➢ **Page 250, column 2; Monitoring**

$$DR = CL * C_{ss,target} = \frac{V_{max} * C_{ss,\ target}}{K_m + C_{ss,\ target}}$$

The slope of the line is $-K_m$, and the y-intercept is the $V_{max}$.

➢ **Page 280, 16-4. Dosage Form Preparation Calculations**

*Replace the capsule calculations section in the book with the following:*

**Capsule Calculations**

The following example demonstrates the dosage form calculation for capsules.

Rx:

| | |
|---|---|
| Diphenhydramine hydrochloride | 25 mg |
| Acetaminophen | 325 mg |
| Lactose | qs |
| Make 30 capsules size 1 | |

1. Determine the amount of each drug and of lactose that fully fills size 1 capsule:

| | |
|---|---|
| Diphenhydramine hydrochloride | 400 mg |
| Acetaminophen | 425 mg |
| Lactose | 475 mg |

2. Calculate the diluent displacement weights for the two drugs.
Weight of drug in filled capsule / weight of lactose in filled capsule = Weight of drug per capsule / lactose displacement (x)

Diphenhydramine:
400 mg/475 mg = 25 mg/x
x = 29.69 mg of lactose are displaced by 25 mg of diphenhydramine per capsule
For 30 capsules: 29.69 mg x 30 = 0.89 g lactose

Acetaminophen:
425 mg/475 mg = 325 mg/x
x = 363.24 mg of lactose are displaced by 325 mg of acetaminophen per capsule
For 30 capsules: 363.24 mg x 30 = 10.90 g lactose

3. Total amount of lactose needed to prepare this prescription
   Amount of lactose needed per capsule (qs) = 475 mg - (29.69 mg + 363.24 mg) = 82.07 mg
   Amount of lactose needed for 30 capsules = 82.07 mg x 30 = 2.46 g

- **Page 277, Semisolids section, line 1**
  Delete the word *suppositories.*

- **Page 473, answer number 10, line 7**

  Prednisone can increase the risk for hyperglycemia (hypoglycemia is incorrect)

- **Appendix J (pages 583–94)**

  Please visit:

  http://www.fda.gov/Drugs/DevelopmentApprovalProcess/DevelopmentResources/Labeling/ucm093307.htm for more information about FDA's new labeling system.