

Latest Version: 7.0

Question: 1

In a zero order elimination process, which of the following is true?

- A. The removal of drug is independent of drug concentration
- B. $Cl = \text{Elimination rate}/C_p$
- C. $t_{1/2} = .7VD/Cl$
- D. All are true

Answer: A

Question: 2

For highly polar drugs (e.g. mannitol) what primarily determines elimination rate?

- A. Excretion rate
- B. Metabolism rate
- C. Absorption rate
- D. Distribution rate
- E. All of the above

Answer: A

Question: 3

Bioavailability is related to which of the following parameters, according to the equation $F = 1 - E$

- A. Excretion
- B. Elimination
- C. Extraction Ratio
- D. Enterohepatic Recycling

Answer: C

Question: 4

For the majority of drugs, which of the following equations correctly defines clearance?

- A. $Cl = \text{Elimination rate}/C_p$
- B. $Cl = Q \times E$
- C. $Cl = .7VD/t_{1/2}$
- D. All are correct

Answer: D

Question: 5

How much of a 10 mg dose of morphine reaches the systemic circulation given $F = .24$?

- A. 24mg
- B. 0.24 mg
- C. 2.4 mg
- D. 4.1 mg

Answer: C