



قسم التكنولوجيا الصيدلانية

Third year – bylaw 2016

Biopharmaceutics and pharmacokinetics

الصيدلة الحيوية وحركية الدواء

Topics

1. Dosage factors influencing bioavailability
2. The effect of pharmaceutical excipient on drug absorption
3. Carrier mediated cellular uptake of pharmaceutical drugs
4. Principles, concept and application of bioavailability
5. Food effects on drug absorption
6. Barriers to drug absorption
7. Effects of dissolution on drug absorption
8. Biopharmaceutics and partition coefficient
9. Effects of plasma drug–protein binding on distribution and elimination
10. Factors affecting hepatic clearance
11. Factors affecting renal clearance
12. Bioavailability and bioequivalence