

Lecturer Title:

- 1- Introduction to biopharmaceutics.
- 2- Biopharmaceutic aspects of products; drug absorption; mechanisms of absorption; physicochemical factors; dissolution rate; effects of excipients; type of dosage forms.
- 3- One compartment open model.
- 4- Multicompartment models.
- 5- Pharmacokinetics of drug absorption.
- 6- Bioavailability and bioequivalence.
- 7- Clearance of drugs from the biological systems.
- 8- Hepatic elimination of drugs.
- 9- Protein binding of drugs.
- 10- Intravenous infusion
- 11- Multiple dosage regimens.
- 12- Non-linear pharmacokinetics.
- 13- Dosage adjustment in renal diseases.