

Biopharmacy

Topic list 2025/2026 autumn semester

1. Topic and general approach of biopharmacy
2. LADME system
3. Biopharmaceutical Classification System
4. Pharmacokinetic background of biopharmacy, bioavailability
5. Biopharmaceutical background of liberation
6. In vitro drug release tests
7. Evaluation of drug release tests
8. Types of drug release, biopharmaceutical aspects
9. Membrane transport processes
10. Relationship between degree of ionisation and absorption
11. Absorption of parenteral medicines
12. Absorption of peroral medicines
13. Absorption of rectally administered medicines
14. Absorption of transdermal medicines
15. Special biopharmaceutical cases
16. Process of distribution
17. Process of metabolism
18. Process of excretion
19. Biopharmaceutical aspects of drug research and development
20. Generic drug development