

## Lecturers Title

- 1- Course Overview
- 2- Review of basic pharmacokinetic (PK)-
- 3- Review of basic pharmacodynamic (PD)
- 4- Clinical PK equations and calculations
- 5- Clinical PK in special population and cases
- 6- Clinical PK/PD for Antibiotics (e.g., Aminoglycosides, Vancomycin)
- 7- Clinical PK/PD for Cardiovascular agents (e.g., Digoxin, Lidocaine, Procainamide/N-Acetyl Procainamide)
- 8- Clinical PK/PD for Anticonvulsants (e.g., Phenytoin, Carbamazepine, Valproic Acid, Phenobarbitone/Primidone, Ethosuxsimide)
- 9- Clinical PK/PD for Immunosuppressants (e.g., Cyclosporine, Tacrolimus)
- 10- Clinical PK/PD of other drugs (e.g., Lithium, Theophylline, Anticancer agents, Anticoagulants)