

KIN 481 : Clinical Pharmacokinetics

This course involves clinical applications of pharmacokinetic principles. Emphasis is placed on the identification of actual and theoretical factors that contribute to variabilities in pharmacokinetic parameters and associated pharmacological responses. Design of optimized dosing regimens for patient care utilizing drug monitoring techniques and computer technology will be also covered in this course. Case studies with different patient population and with co-morbidities are utilized whereby students will apply pharmacokinetic concepts in a clinical context and discuss drug dosing and therapeutic drug monitoring. Latest standardized techniques and dosing methods are critically explored, contrasted, and applied to patient-specific dosing scenarios. The student will apply the principles for pharmacokinetics and therapeutic drug monitoring in decision-making and improvement of patient care.

Credits 2

Prerequisite Courses

KIN 352

Corequisites

None