

Pharmacokinetics

Nursing

What the body does to a drug — four stages that set dose and interval.

Absorption, distribution, metabolism, excretion — ADME.

Absorption

1

Route, formulation and first-pass effect set how much arrives.

Distribution

2

Protein binding and tissue perfusion decide where it goes.

Metabolism

3

Mostly hepatic; enzyme induction and inhibition change the rate.

Excretion

4

Mostly renal; falling clearance means accumulation.

Educational reference. Hepatic and renal impairment, age and interacting drugs all shift these stages — prescribers adjust, nurses