The mechanism by which a drug leaves the body After medications are metabolized, they exit the body through:

Kidneys – most common (in urine)

Liver

Bowel

- Lungs
- Exocrine glands
- Bile
- ■Breast milk

Elimination of a drug is usually affected by:

- Renal filtration
- Secretion
- Reabsorption

Renal clearance

- Is the sum total of threerenal process
- Rcl=RF+S-R

- Drug clearance
- -is the measure of the ability of the body to eliminate drug
- -it is the apparent volume of blood that is cleared of drug per unit time
- CL= rate of elimination/plasma concentration

Common terms

- Onset: The time after administration when the body initially responds to the drug
- Peak Plasma Level: The highest plasma level achieved by a single dose when the elimination rate of a drug equals the absorption rate
- Drug Half-Life (Elimination half-life): The time required for the elimination process to reduce the concentration of the drug to one-half what it was at initial administration