

Factors affecting drug excretion

Physicochemical properties of drug

pH of urine

Plasma concentration of drug

Blood flow

Distribution and binding of drug

Drug interactions

Biological factors

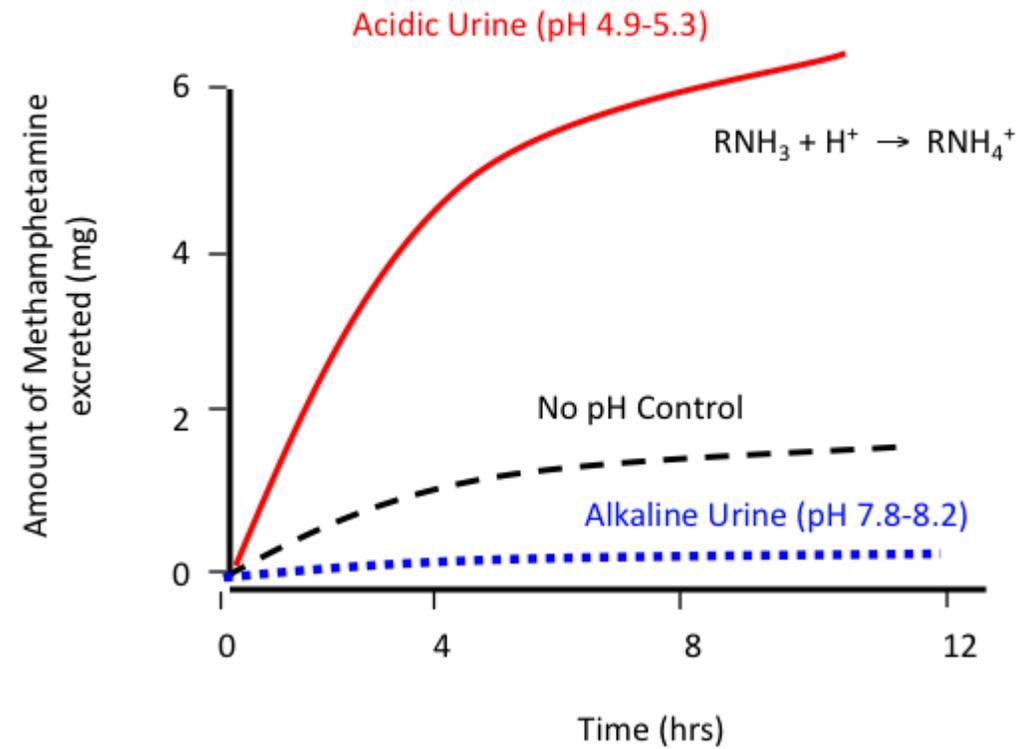
Disease states

Physicochemical properties of drug

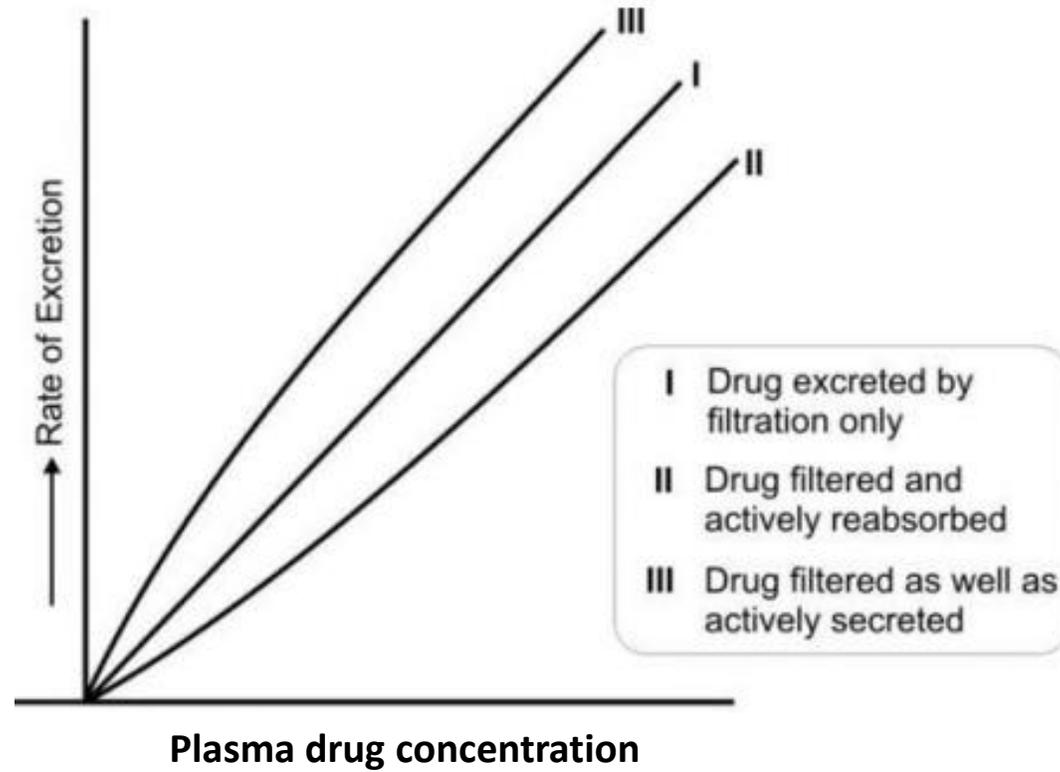
- Molecular size
- Lipophilicity/Hydrophilicity
- pKa value of drug

Mol. Wt.	Excretion pattern
< 300 Daltons	Urine, < 5% in bile
>500 Daltons	Bile, <5% in urine
300-500	Both urine and bile

pH Effect on Urinary Excretion



Plasma concentration



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