Plasma Half life First order hundries.

30hr - 12hre. - hihr To - preciable.

Zaro order hindrig

Zaro order hindrig

Zaro order hindrig

Zaro order hindrig

Zhong (ethan)

Phenytoin.

Fron

$$7T_{1/2} = \frac{0.693 \times Vd}{CQ}$$

$$T_{1/2} = \frac{0.693 \times Vd}{CQ}$$

$$T_{1/2} = \frac{0.693}{Ke} \rightarrow U$$

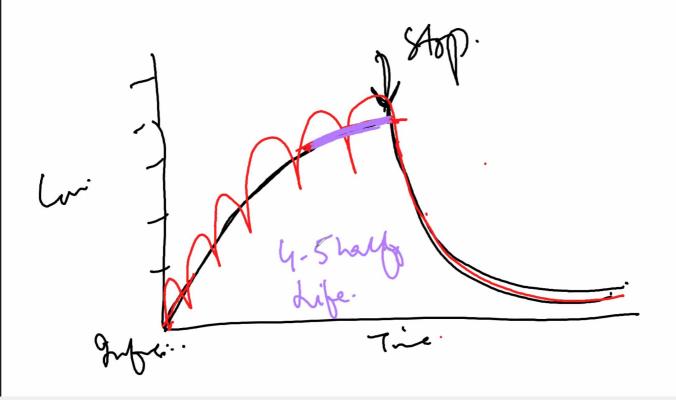
$$\frac{0.693 \times Vd}{Ke}$$

$$\frac{0.693 \times Vd}{CQ}$$

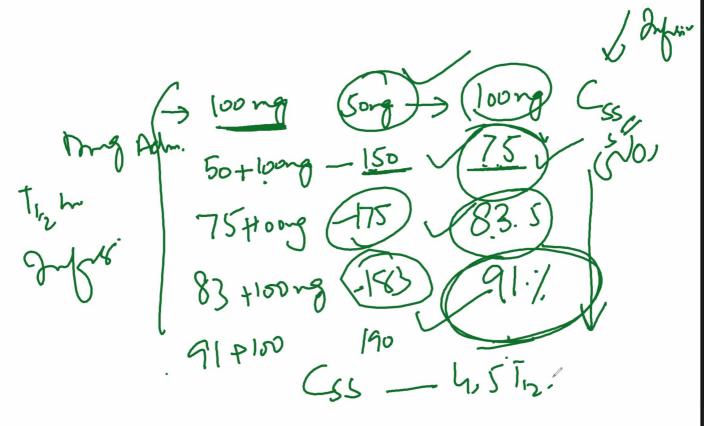
From

100mg | hr 50mg | 50mg | 50mg | 1hr 25 | 25 | 1hr 12.5 | 1hr 6.3 | 6.3 | 1hr (3.2) | Wegingth | 4-5 90% | eliminate.

Cha From



Chat



From

Plason com of Pate of Revent of Plason come of Pate of Plason one of Pate of Pate of Plason.

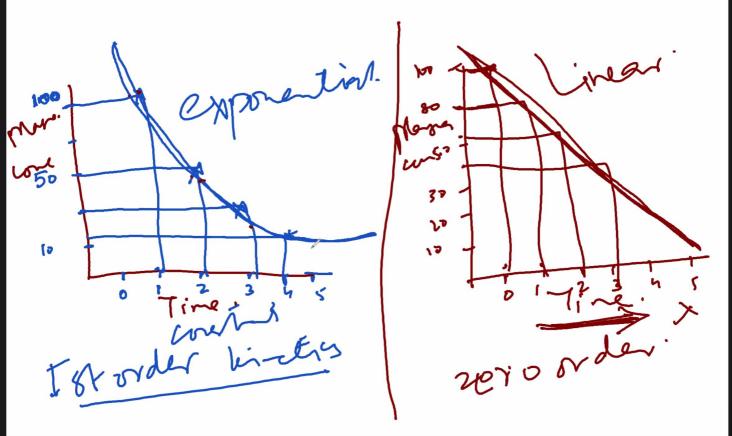
Nation CYPUSD Soon Plason.

1000ng (501) 500ng Tark

Noong (501) 1000ng Tark

Noong (501) 2000ng Tark

Noong (501) 2000ng Tark



Cha Fron

## Importance of Plasma Half Life

- 1. Indicates how quickly a drug is removed from the plasma
- 2. Indicates duration of action of a drug
- 3. It determines the frequency of dosing for a drug i.e. a drug that a short half life will have to be given more frequently than that drug that has a longer half lives
- 4. Knowledge of t1/2 of different drugs helps us to choose between different drugs of a same group according to the requirement of duration of action. For example different Benzodiazepines have different half lives and we can chose according to requirement of duration of sedation













