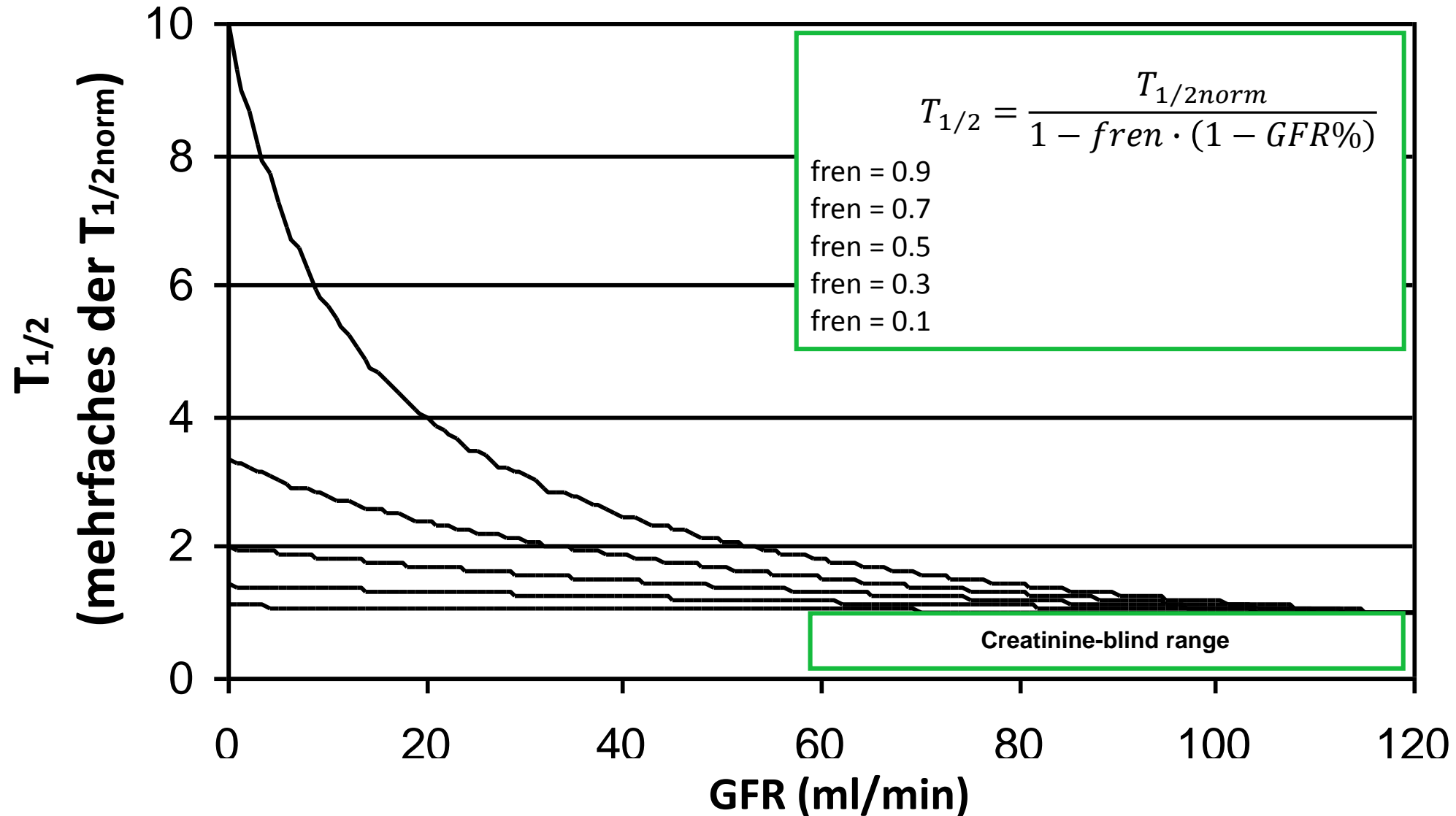
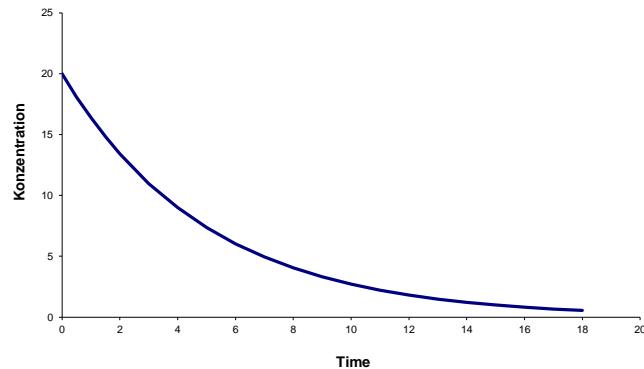


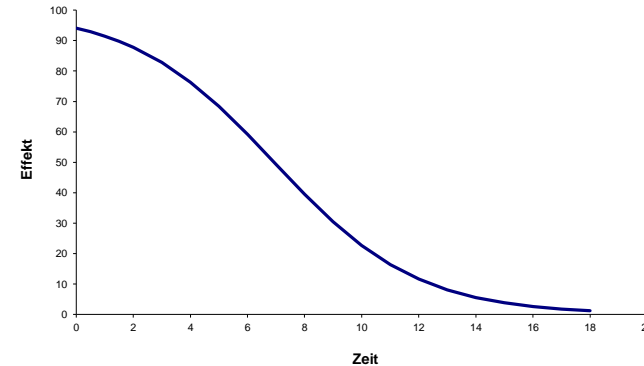
Kreatinin-blinder Bereich = unkritisch für Arzneimitteldosierung



Pharmakokinetik - Pharmakodynamik



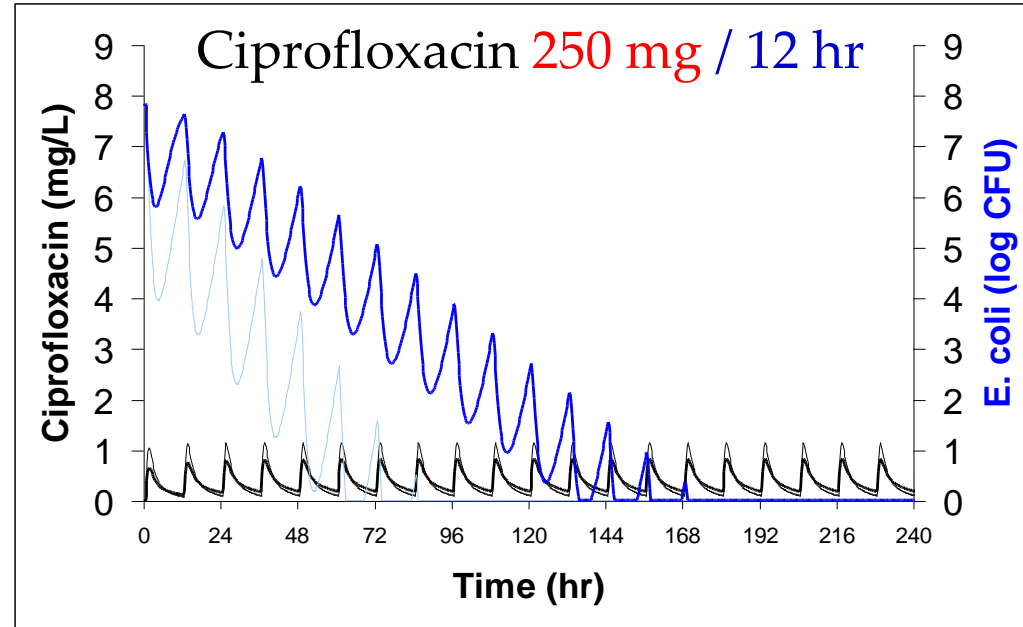
$$C = C_0 \cdot \exp\left(-\frac{0.693}{T_{1/2}} \cdot t\right)$$



$$E = \frac{E_{\max}}{1 + \left(\frac{CE_{50}}{C}\right)^H}$$

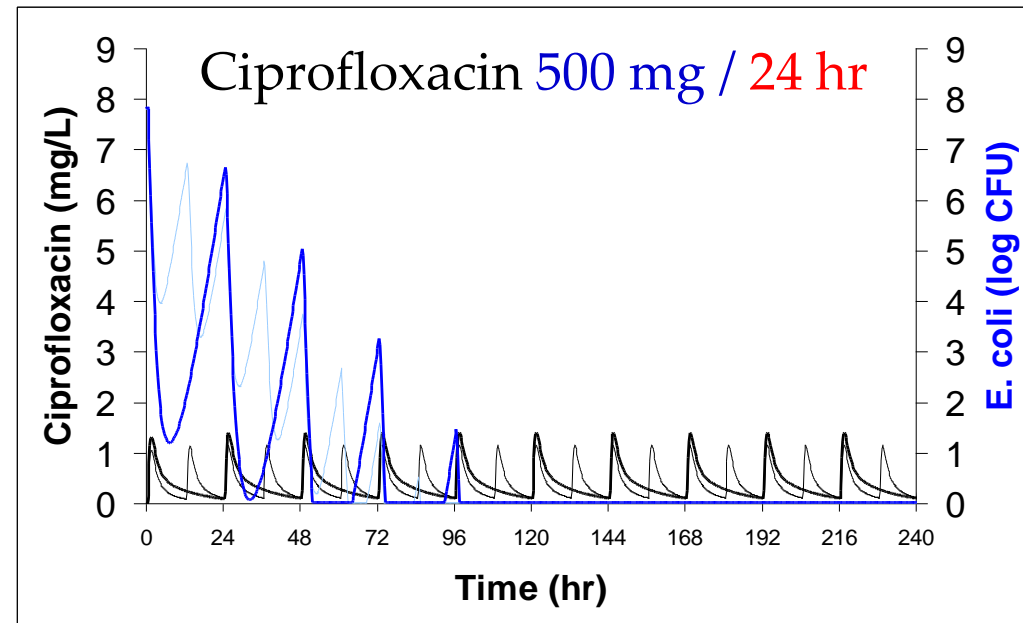
Normal

Ciprofloxacin 500 mg / 12 hr

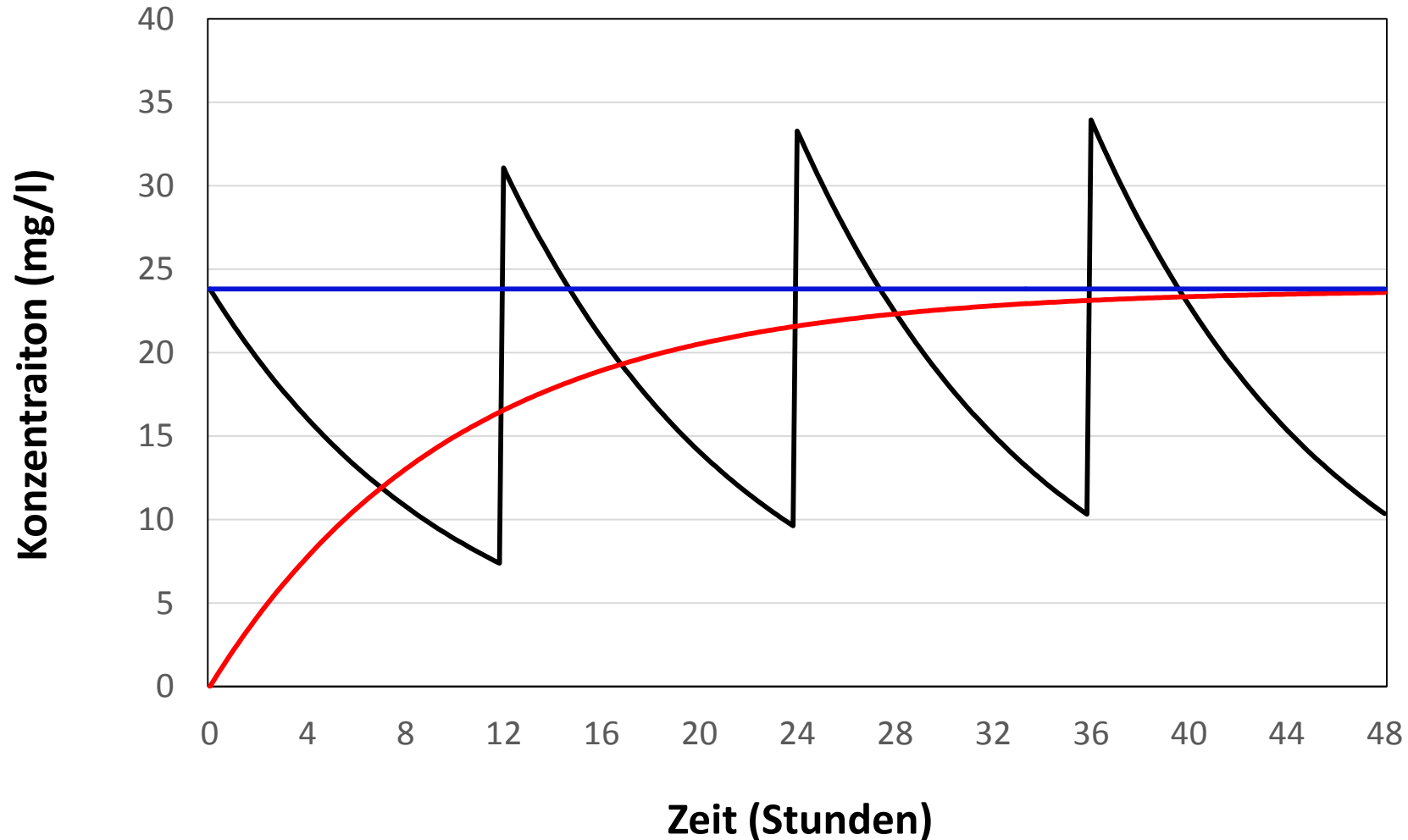


Niereninsuffizienz

$T_{1/2}$ von 4 auf 8 Stunden



Vancomycin Bolus vs Infusion



Intermittierender Bolus
2 x 1000 mg/Tag

D_{start} + Kontinuierliche Infusion
1300 mg + 100 mg/h

Nur Infusion = FALSCH
100 mg/h

Nephro = Geronto-Pharmakologie

Erhaltungstherapie:

Antikoagulantien, Antidiabetika,
Antipsychotika, Antidepressiva,
Antiepileptika, Anti-Parkinson,
Antidementiva

neuere Medikamente



nur halbmaximal dosieren

Ausnahme: SGLT2i höher dosieren



50-50-50 Regel:

- 50 % Medikamente
- 50 % der Älteren
- 50 % Maximaldosis