Patient's Data:
- Gender: Female
- Age: 38 yr
- Bw: 70 kg
- Ht: 170 cm
- Scr: 1.8 mg/dL
- Dose: 100 mg
- Tau: 8 hr
- Tin: 0.5 hr
- Ts: 1 hr
- Cs: 11.7 mg/L

PK parameters:
- Cl: 0.0190 L/hr/kg
- Vd: 0.2242 L/kg
- Final SS: 0.2196
- Cs-pr: 11.6185 mg/L
- Cp-ss(pr): 12.6488 mg/L
- Ct-ss(pr): 6.6883 mg/L

Dosage Adjustment (C->D):
- Dose: 308.55 mg
- Tau: 17.30 hr
- Tin: 0.50 hr
- Cp-ss: 25 mg/L
- Ct-ss: 6 mg/L

Explanation:
- Bw = body weight
- Ht = height
- Scr = serum creatinine conc.
- Dose = dose for each dosing interval
- Tau = dosing interval
- Tin = infusion time
- Ts = sampling time since infusion end
- Cs = measured conc.

- Cl = clearance
- Vd = volume of distribution
- Final SS = final sum of square
- Cs-pr = predicted measured conc.
- Cp-ss(pr) = predicted peak conc. at steady-state
- Ct-ss(pr) = predicted trough conc. at steady-state

- Dose = desired/predicted dose
- Tau = desired/predicted dosing interval
- Tin = desired infusion time
- Cp-ss = predicted/desired peak conc. at steady-state
- Ct-ss = predicted/desired trough conc. at steady-state

Amikacin Concentration-Time Profile