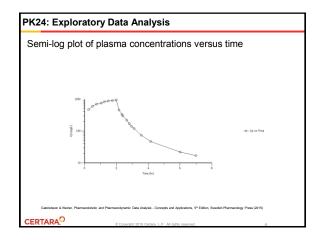


PK24: Problem specification	
<ul> <li>1 healthy volunteer received a single intravenous infusio 10mg/kg (10,000 ug/kg) over 2h</li> <li>Plasma samples were collected at various times until 7h the last dose</li> </ul>	
Gabrielisson & Weiner, Pharmacokinetic and Pharmacodynamic Data Analysis - Concepts and Applications, 5 <sup>th</sup> Edition, Swedish Pharmacology Press (2015)	
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(24: Resi	ults of NC	A and Initia	al Estim	ates	
	Lambda_z (1/hr)	AUCINF_pred (hr*ug/L)	Cl_pred (L/hr/kg)	Vss_pred (L/kg)	
	0.36	1945.98	5.14	4.34	
Series			A results. ⊺ /, 5 <sup>th</sup> ed.	These are de	ee phases, along erived on Page 5
		V	0.5		
		V2	1.7		
		V3	1.7		
		CI	4.3		
		CI2	6.5		
		CI2 CI3	6.5 2.2		

Although only the multiplicative error model is shown here, we will fit both the additive and multiplicative error models and determine the better fit.						
Population?	Structure Parameters Input Optic		ons   Initial Estin	mates   Run Options   Model Text   Pla Set WNL		
Y	orption:	Num Compartments:	Parameters:	Statements: deriv(A1 = - C1 * C - C12 * (C - C2) - C13 * (C - C3)		
	avenous •	3	V2	denv(A1 = - C - C - C - C - C - C - C - C - C -		
Closed form? Infusions possible? Residual Eror: C Cobs CEps = Multiplicat C BQL?			E V3	deriv(A3 = CI3 * (C - C3)) dosepoint(A1)		
			a			
			C12	C = A1 / V C2 = A2 / V2		
			C13			
Stdev: 1	0.0340316	Accept		C3 = A3 / V3		
E Freeze			*	error(CEps = 1)		

