of selected models, data fitting methods and monitoring strategies. Clinical Pharmacokinetics 21: 461-178, 1991

Jung D. Pharmacokinetics of theophylline in protein calorie malnutrition. Biopharmaceutics and Drug Disposition 16: 291-299, 1986

Jung D, Nanavaty M, Prasad P. Disposition of procainamide and N-acetylprocainamide in protein calorie malnutrition. Drug Metabolism and Disposition 13: 359-363, 1985

Mallet A, Mentre F, Steimer JL, Lokiec F. Nonparametric maximum likelihood estimation for population pharmacokinetics, with application to cyclosporine. Journal of Pharmacokinetics and Biopharmaceutics 16: 311-327, 1988

Mehta S, Nain CK, Sharma B, Mathur VS. Disposition of four drugs in malnourished children. Drug Nutrient Interactions 1: 205-211, 1982

Schumitzky A. Nonparametric EM algorithms for estimating prior distributions. Technical report 90-2, Laboratory of Applied Pharmacokinetics, University of Southern California, Los Angeles, 1990

Schumitzky A. Nonparametric EM algorithms for estimating prior distributions. Applied Mathematics and Computations 45:143-157, 1991

Sheiner LB, Beal S. Some suggestions for measuring predictive performance. Journal of Pharmacokinetics and Biopharmaceutics 9: 503-512, 1981

Sheiner LB, Rosenberg B, Marathe W. Estimation of population characteristics of pharmacokinetic parameters from routine clinical data. Journal of Pharmacokinetics and Biopharmaceutics 5: 445-479, 1977

Steimer JL, Mallet A, Mentre F. Estimating interindividual pharmacokinetic variability. In Rowland et al. (Eds) Variability in drug therapy: description, estimation, and control, pp. 65-111, Raven Press, New York, 1985

Tointon MM, Job ML, Peltier TT, Murphy JE, Ward ES. Alterations in aminoglycoside volume of distribution in patients below ideal body weight. Clinical Pharmacy 6: 160-162, 1987

Winter ME. Aminoglycoside antibiotics. In Koda-Kimble & Young (Eds) Basic clinical pharmacokinetics, pp. 103-137, Applied Therapeutics, Inc., Vancouver, 1988

Zarowitz BJ, Pilla AM, Popovich J. Expanded gentamicin volume of distribution in patients with indicators of malnutrition. Clinical Pharmacy 9: 40-44, 1990

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Erratum

Vol. 22, No. 6, 1992: The second paragraph of column 2 on page 475 was inadvertently duplicated from page 477. Following equation 8, the text should read: 'where all abbreviations are as previously described and AAG is the serum α_1-acid glycoprotein level in grams per litre.

The results of the hypothesis testing using restricted models against the full model from Data Set B are listed in table V. Again, significance was evaluated using a p value of 0.005. Only AAG and renal function were identified as important covariates of CL. The final form of the regression expression for CL was examined. Various additive, multiplicative and inverse relationships were explored. The best form of the regression model, based on the value of the objective function and WRES plots, related CL to AAG and RF in the following manner:

$$CL \ (L/h) = [P_1/(P_{15} + AAG)] \cdot (1 + P_{12} \cdot RF) \tag{Eq. 9}'$$