## Pharmacokinetics of salicylic acid: Half-life in Humans

1 mg SA/L = .724E-5 M = 7.24 uM. 1 mole SA = 138.1 grams.

Low Dose Data:

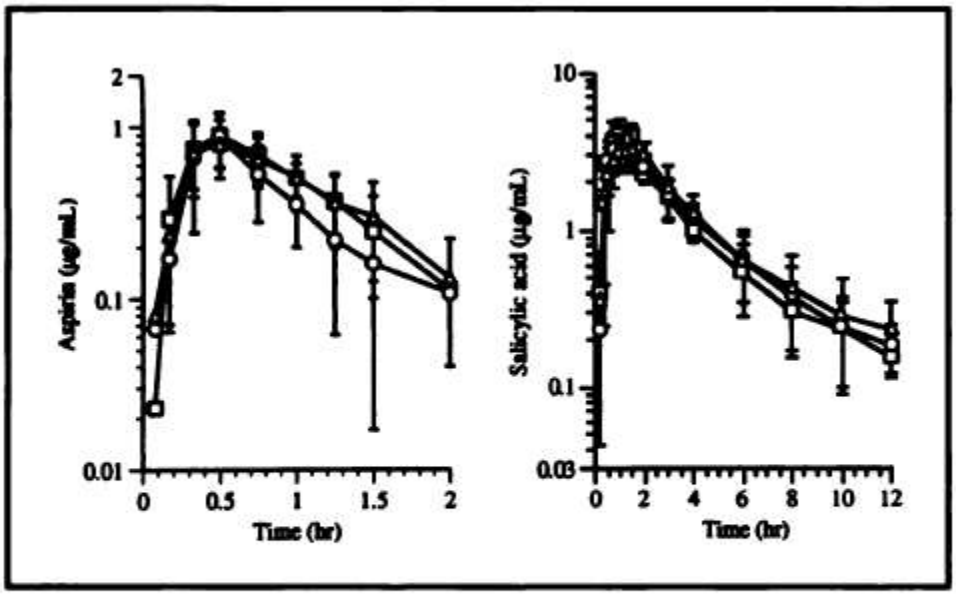



***Figure 1. Mean (± standard deviation) plasma concentration–time profiles for acetylsalicylic acic (ASA) and salicylic acid (SA) after three single, 80-mg oral doses of ASA. □, dose period 1 (N = 10); ○, dose period 2 (N = 10); △, dose period 3 (N = 9).***

(IH Benedek, AS Joshi, JH Pieniazek, SY King and DM Kornhauser; Variability in the pharmacokinetics and pharmacodynamics of low dose aspirin in healthy male volunteers. J. Clin. Pharmacl 1995; 35; 1181)

Midrange Dose Data:

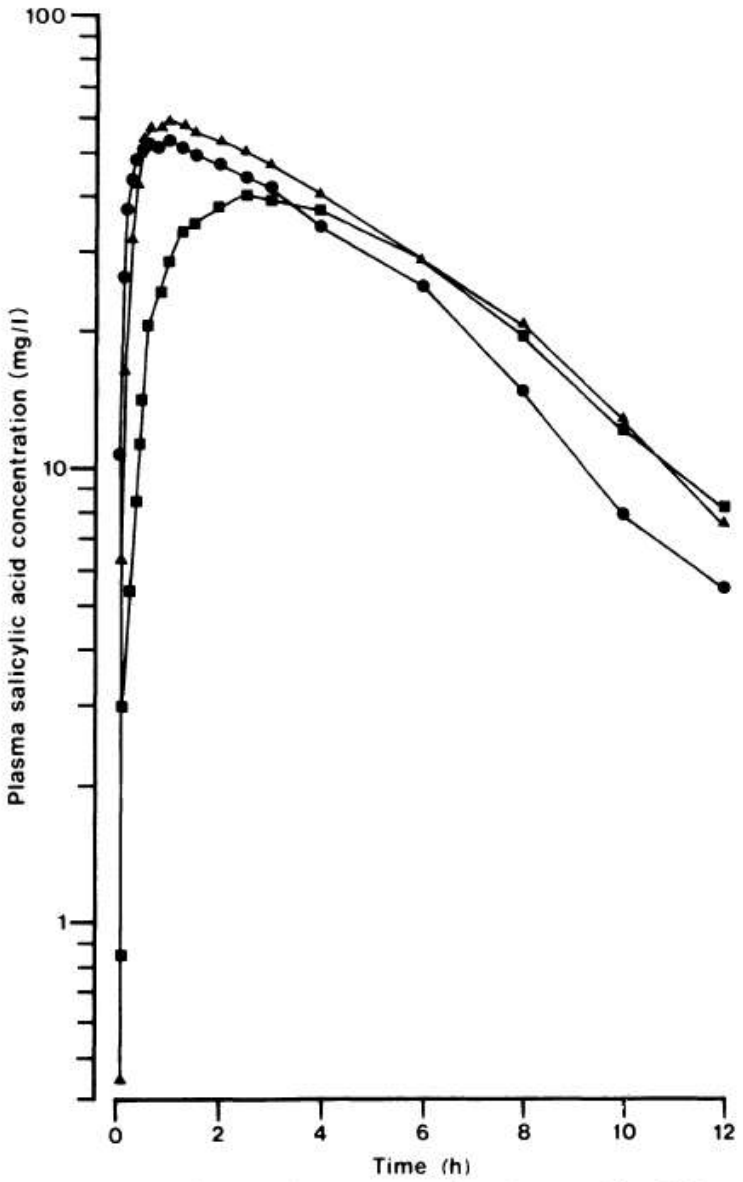
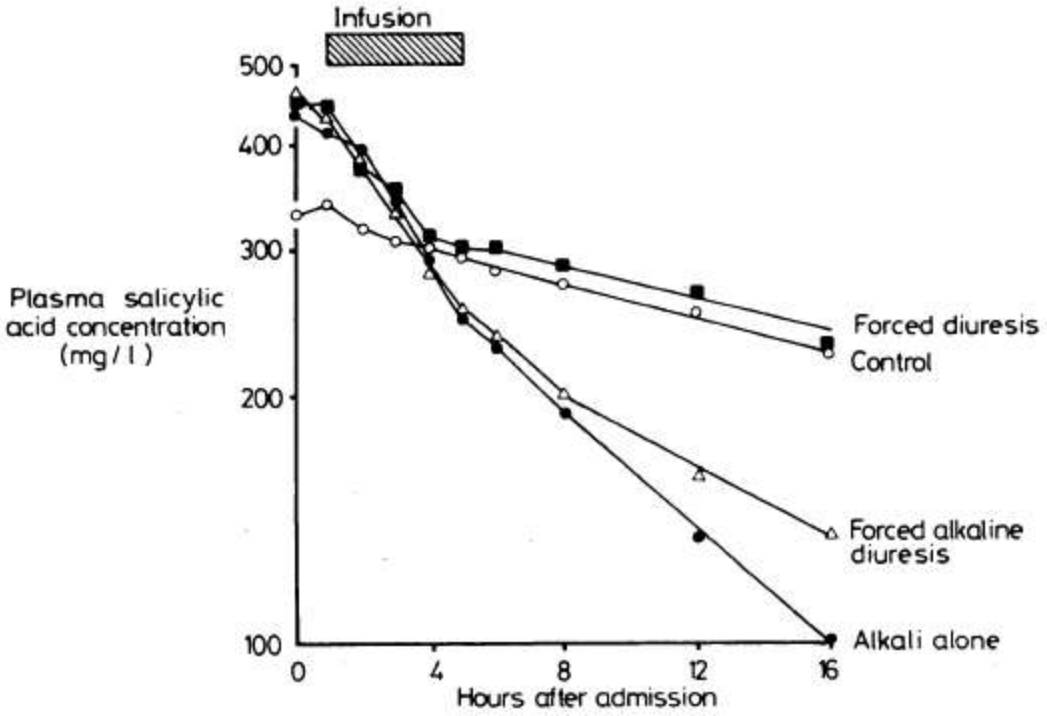



**Fig. 4.** Plasma salicylic acid concentration–time profiles following the intravenous, oral, and intramuscular administration of aspirin (as lysine acetyl salicylate) to nine male and nine female subjects (mean i.v. dose, 898 mg; oral dose, 1000 mg; mean i.m. dose, 917 mg). Each point is the mean value (averaged over sexes) for the route of administration: ▲—oral; ●—i.v.; ■—i.m.

LAarons, K Hopkins, M Rowland, S. Brossel, and JF Thiercelin: Route of administration and sex differences in the pharmacokinetics of aspirin, administered as its lysine salt. Pharmaceutical Research, Vol 6, No 8, 1989. p 660-666.

High Dose Data:




(LF Prescott, M Balali-Mood, JAJH Critchley, AF Johnstone, AT Proudfood; Diuresis or urinary alkalinisation for salicylate poisoning? British Medical Journal, 285 13 November 1982 p1383 -1384.)

Digitized Data: