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The Pharmacokinetics of Lamivudine in Healthy Rabbit Treated with Cimetidine

Abstract

The effects of cimetidine on the plasma concentration of Lamivudine (3TC) were examined in rabbits. Three subjects were given 14 mg/kg BW lamivudine alone. On day 8, the three subjects were given 78 mg/kg BW cimetidine one hour before a dose of lamivudine. There were statistically significant differences in the pharmacokinetic parameter produced by administration with cimetidine. There were C max and AUC 0-120 but t max was no difference. The different had apparent effect on the plasma concentrations of lamivudine and was determined with HPLC

Keyword : lamivudine, cimetidine, HPLC, 

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