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The Pharmacokinetics of Lamivudine in Healthy Rabbit Treated with Cimetidine

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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,

Daftar Pustaka :
1. American Society of Health System Pharmacist, (2002). AHFS Drugs Information. no info : no info
5. KHP Moore, (1999). Lamivudine/zidovudin as a Combined Formulation Tablet: Bioequivalence Compared with Lamivudine and Zidovudin Administered Concurrently and the Effect of Food on Absorption. no info : J Clin Pharmacol
12. T Takubo, (2000). Effect of Trimethoprim on Renal Clearance of Lamivudine in Rat. no info : J Pharm Pharmacol