THE PHARMACOKINETICS OF LEVOFLOXACIN IN HEALTHY RABBIT TREATED WITH ANTACID

Abstrak:

The effect of antacid (Antasida DOEN) 14 ml/ kg BW which containing polyvalent cation Mg (OH)2 and Al(OH) 3 on the absorption of levofloxacin were examined in healthy rabbit. Twelve subjects were administered 23 mg/ml kg BW levofloxacin alone. On day 8 the six subjects were administered antacid and levofloxacin concomitant and the other were administered antacid two hours after levofloxacin. There were statistically significant different in pharmacokinetic parameter produced by administration with antacid concomitant but the other one were not significant different. There were Cmax and AUC decrease (p<0.05) but tmax increase was not significant different (p>0.05) for administration concomitant and but the other one were Cmax, AUC and tmax smaller than control but not significant different (p>0.05). The different had apparent effect on the plasma concentrations of levofloxacin and was determined with spectrofluorometric. Antacid may reduce the absorption of levofloxacin, the extent of this interaction appears to increase as time between administration of two drugs decreases.

Keyword:
levofloxacin, Mg (OH)2 and Al(OH) 3 , antacid , spetrofluorometric

Daftar Pustaka:

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