

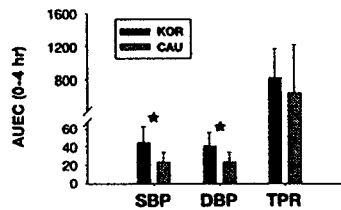
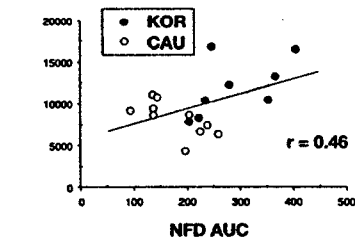
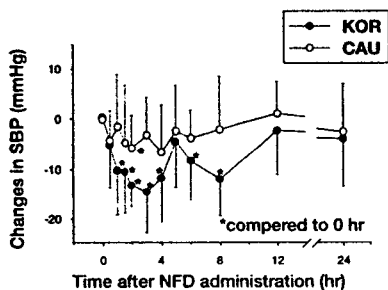
Ethnic Differences in Pharmacokinetics of Nifedipine and Erythromycin

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To investigate ethnic differences in the pharmacokinetics of nifedipine (NFD) and erythromycin (ERM), both CYP3A substrates, we examined the PK of NFD 10 mg and ERM 500 mg single oral doses in 8 Korean (KOR) and 10 Caucasian (CAU) healthy volunteers in a randomized, crossover study. Blood pressure (BP) and hemodynamic parameters (using impedance cardiography) were also measured during the NFD study period.

(KOR/CAU)	NFD	ERM
AUC ratio	1.6 *	1.5 *
Half-life ratio	1.4 *	1.2



(* $p < 0.05$, SBP= systolic BP, DBP= diastolic BP, TPR= total peripheral resistance, AUEC= area under the time-effect curve)

The AUCs and BP changes after NFD were significantly greater in KORs, but AUCs of NFD and ERM were not well correlated.