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COMPARATIVE BIOAVAILABILITY OF FOUR ORAL FORMULATION OF CEPHRADINE CAPSULES

MOHAMMAD K. HASSANZADEH, SEDIGEH FAZLI-BAZZAZ SHAHRAM AFZALI

Abstract:

A crossover study was utilised to compare the bioavailability of four different brands of cephradine capsules in eight normal human volunteers. Relative bioavailability of three local generic dosage forms was compared with a commercial cephradine capsule. The plasma and urine cephradine concentrations were determined by a microbiological assay (disk diffusion) using *Staphylococcus aureus* (ATCC 29737) as the test organism. Relative bioavailability and pharmacokinetic parameters of local generic dosage forms of cephradine were calculated using the plasma and urine data. Statistical analysis of the data indicated no significant differences ($P=0.05$) between brands of cephradine capsules. Results of this study showed that the extent and rate of absorption of various tested capsules are comparable and all tested brands are compatible and bioequivalent.

Keywords:

[Cephradine](#) , [Microbiological assay](#) , [Bioequivalent](#) , [Relative bioavailability](#)

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