Pharmacokinetic properties of rupatadine in humans

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Rupatadine is a new second generation antihistamine compound. Experimental animal studies have shown it has a potent dual activity as a histamine and as a platelet activating factor (PAF) antagonist, without sedative effects [1].

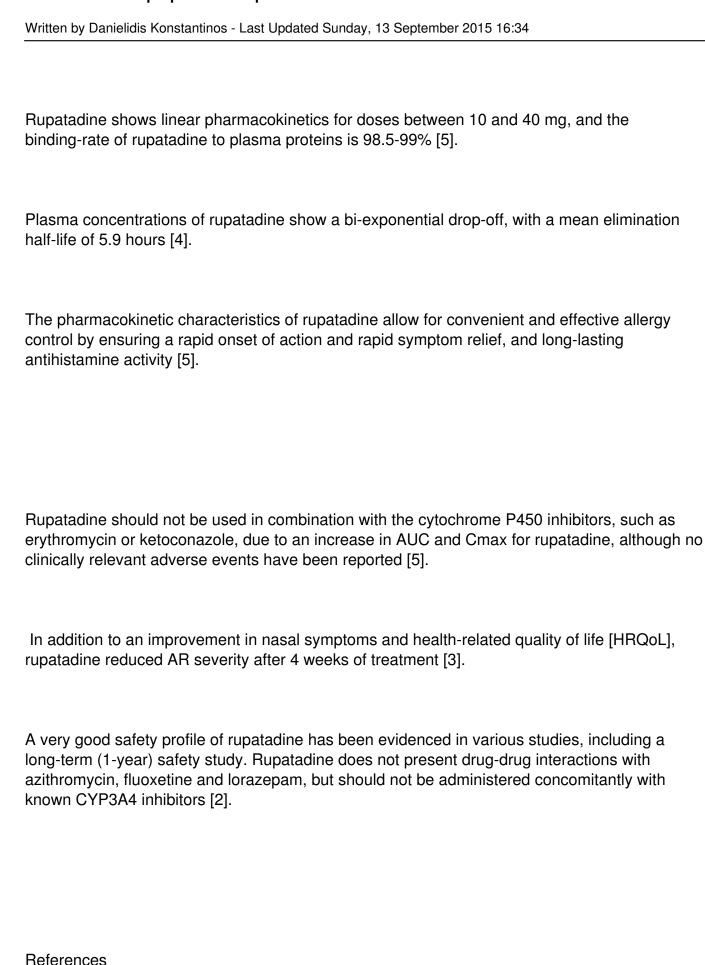
At the recommended dose of 10 mg, rupatadine has been shown to be clinically effective in relieving symptoms in patients with allergic rhinitis and chronic urticaria. Furthermore, it appears to be free of sedative effects and does not cause significant changes in the corrected QT interval [2].

According to current guidelines, new second-generation oral Hi-antihistamines, as well as intranasal corticosteroids (ICSs), are recommended for the treatment of allergic rhinitis (AR) in adults and children [3].

In addition to an improvement in nasal symptoms and HRQoL, rupatadine reduced AR severity after 4 weeks of treatment [3].

Rupatadine is rapidly absorbed from the gastrointestinal tract, with a maximum plasma concentration (Crnax) of 2.6 ng/ml reached within 0.75 hours (tmax) following oral administration of a single 10 mg doseni. A Crnax of 3.8 ng/ml is reached at steady state after seven days of once-daily administration of rupatadine 10 mg [4].

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