

Pharmacological Test for a Combined Products Containing Sucralfate as a Suspended Antiulcer drug.

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The three combined products were prepared as suspended solutions composed of various ratio of Sucralfate, Hydrotalcite and Neusilin, into which 30% ethanol extracts of Machili cortex, and of Atractylodis rhizoma were added. The efficacy for these products was examined *in vivo* using a pyrous ligation method in rats. The influence of these products on the intestinal motility was also examined in mice. In all experimental setting, the antisecretory effect of the combined treatment was more pronounced than that of each drug alone. The combined treatment consisted of Sucralfate, Hydrotalcite, Neusilin ratios of 2:2:1 produced the highest inhibitory effect for the gastric secretion. The intestinal motility was not influenced significantly by the treatment of all experimental setting. The above results revealed that the therapeutic dose of Sucralfate, Hydrotalcite, Neusilin given in combination showed a synergistic effect for the inhibition of gastric secretion and little side effect on the intestinal motility. Therefore, the combined product with Sucralfate, Hydrotalcite, Neusilin ratio of 2:2:1 is recommended for the useful drug to heal the gastrointestinal diseases with no side effect on the intestinal motility.