



Experimental Study of Electro-Acupuncture's parameters at ST 36 on the Serum Gastrin Level in Rats

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It was well known that electro-acupuncture(EA) of ST36 in the hindimb affected a gastrointestinal disease. The lightly anaesthetized rat was used and serum gastrin level was observed in this study. Standard stimulation of ST36 consisted of a 5 mA at 2 Hz for a duration of 30 min, applied at 5 times the threshold to evoke muscle twitch. In the study of comparing stimulation duration, 60 min of EA produced no effect, whereas both of 10 and 30 min of EA increased gastrin serum level. When operating time was altered, both of 5 and 10 days only produced effects of increasing gastrin level. When comparing the depth of inserting needle, stimulation of the outer layer increased gastrin serum level as well as stimulation of full length. These data suggest that the difference of factors affected EA's effect such as stimulation duration, operating time and inserted needle's length produced difference effects.

Key words: electro-acupuncture, ST36, parameters