

Effect of needling points of lower extremities of foot Yangming meridian on area of gastric antrum with ultrasonography B observation

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Abstract

AIM: To clarify the relationship between the foot Yangming meridian and gastric movement.

METHODS: Six points: Futu, Liangqiu, Zusanli, Shangjuxu, Chongyang and Neiting, of lower extremities of foot Yangming meridian were selected as needling points in 90 volunteers of 6 groups (15 cases/ each group). The control point was positioned 1 cm place near points. Ultrasonography B was used to observe the figure of gastric movement in 3 min prior to needling and 3 min

during needling. 180 figures were trapped and processed by using computer. The area of gastric antrum was calculated with cumulating areas method.

RESULTS: Needling zusanli, Shangjuxu, Chongyang and Neiting prints of lower extremities of foot Yangming meridian have significant effect on area of gastric antrum. $P < 0.01$, compared with prior to needling point. The diameter between upper and lower of gastric antrum was significantly increased after needling Zusanli and Chongyang ($P < 0.01$). The only point to enhance the diameter of anterior and posterior of gastric antrum was Zusanli.

CONCLUSION: Needling points of lower extremities of foot Yangming meridian have specific and significant effect on function of gastric movement.

Key words: Stomach/ultrasonography; Foot yangming meridian; Acupuncture

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