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## Effects of manual acupuncture on bowel motility in normal Kunming mouse

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To observe the effects of acupuncture on motility of jejunum and distal colon at different acupoints on normal Kunming mice. Changes of bowel were compared with the background activity recorded before any stimulation. The chosen acupoints were as follows: Zusanli (ST36) on the lower legs, Tianshu (ST25) on the mid-lower abdomen. Manual acupuncture (MA) at Zusanli (ST36) significantly promoted the motility of jejunum and distal colon (manifested as increased change rate of average amplitude and increased change rate of mean area under the contractile curve) of normal Kunming mice ( $P<0.01$ ). Manual acupuncture at Tianshu (ST25) significantly inhibited the motility of jejunum (manifested as decreased change rate of average amplitude, decreased change rate of mean area under the contractile curve, and the reduced frequency) of normal Kunming mice ( $P<0.01$ ), while significantly increased the distal colonic motility (manifested as increased amplitude and increased mean area under the contractile curve) of normal Kunming mice ( $P<0.01$ ). In conclusion, manual acupuncture at specific acupoints (ST36, ST25) has different effects on the motility of jejunum and distal colon, which might involve the segmental innervations of the related nerve.

### Biography

Yuxue Zhao has completed her PhD from China Academy of Chinese Medical Sciences. She is a Research Assistant at Acupuncture and Moxibustion, China Academy of Chinese Medical Sciences.

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