

Investigating the Dose Effect of Electroacupuncture on Mice Inflammatory Pain Model

Authors : Wan-Ting Shen, Ching-Liang Hsieh, Yi-Wen Lin

Abstract : Electroacupuncture (EA) has been reported effective for many kinds of pain and is a common treatment for acute or chronic pain. However, to date, there are limited studies examining the effect of acupuncture dosage. In our experiment, after injecting mice with Complete Freund's Adjuvant (CFA) to induce inflammatory pain, two groups of mice were administered two different 15 min EA treatments at 2Hz. The first group received EA at a single acupuncture point (ST36, Zusanli) in both legs (two points), whereas the second group received two acupuncture points in both legs (four points) and the analgesic effect was compared. It was found that double points (ST36, Zusanli and SP6, Sanyinjiao) were significantly superior to single points (ST36, Zusanli) when evaluated using the electronic von Frey Test (mechanic) and Hargreaves' Test (thermal). Through this study, it is expected more novel physiological mechanisms of acupuncture analgesia will be discovered.

Keywords : anti-inflammation, dose effect, electroacupuncture, pain control

Conference Title : ICAHA 2018 : International Conference on Alternative Healthcare and Acupuncture

Conference Location : Osaka, Japan

Conference Dates : March 29-30, 2018