

Discussion of Electro-acupuncture Stimulation to Anti- myocardial
Hypertrophy and Apoptosis due to Hypertensive Phenomenon.

電針刺激降血壓及抗心肌肥大與凋亡現象之探討

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ABSTRACTS

BACKGROUND: Hypertension is a kind of disease which the systemic arterial blood pressure is elevated. About 90–95% of cases are termed "spontaneous hypertension", which refers to high blood pressure for no medical cause can be found. It can cause serious heart, brain and kidney dysfunction. Persistent hypertension may cause cardiac fibrosis, left ventricular hypertrophy and cardiac apoptosis, leaving shortened life expectancy. Lots of clinical experiences have shown that puncture Taichong point(LR-3) can effectively lower blood pressure.

OBJECTIVE: We punctured LR-3 point to observe the effect of lowering blood pressure and to explore the molecular mechanism of acupuncture treatment for hypertension.

Acupuncture treatment for hypertension has less side effect. This is the common point be used in clinic. According to the research, even using the single point of Taichong(LR-3) also can lower hyper-yang activity type hypertension well. We use SHR to make sure whether the effect of electroacupuncture on the cardiac function of SHR has a positive impact.**METHODS:** A total of 12 rats with 8-weeks male spontaneously hypertensive rats (SHR) were randomized divided into the acupuncture and sham groups, with 6 animals in each group. Additional 6 male Wistar-Kyoto rats were served as the control group. Rats in the acupuncture group received electro-acupuncture at bilateral Taichong (LR 3) points. Stained with Masson trichrome to observe whether there is myocardial fibrosis. and to observe