



## Effects of *Saururus chinensis Baill* Aqua-acupuncture on the Type I Hypersensitivity.

Kyung-Hwa Kang, Kyung-Chul Kim, Yong-tae Lee

Dept. of Physiology, College of Oriental Medicine, Dong-Eui University

**Objective** : Experimental studies were done to research the clinical effects of *Saururus chinensis Baill*(SB) aqua-acupuncture on the type I hypersensitivity.

**Methods** : We measured compound 48/80 induced mast cell degranulation index and active systemic anaphylactic shock, acetic acid induced microvascular permeability and passive cutaneous anaphylaxis. And we measured serum total IgE and skin tissue nitric oxide levels in the type I hypersensitivity induced by ovalbumin.

**Results** : SB inhibited mast cell degranulation. SB aqua-acupuncture pretreatments at all acupoints inhibited active systemic anaphylactic shock induced by compound 48/80 and microvascular permeability increased by acetic acid. In ovalbumin induced type I hypersensitivity, serum total IgE and plasma WBC level inhibited by SB aqua-acupuncture pretreatment. In ovalbumin induced type I hypersensitive skin tissue, nitric oxide levels inhibited by SB aqua-acupuncture pretreatment.

**Conclusion** : These results suggest that HP aqua-acupuncture may be beneficial in the regulation of type I hypersensitivity, but is further required immunological studies on the hypersensitivity.