

## 4<sup>th</sup> International Conference and Exhibition on **Immunology**

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### **Therapeutic modality employing bee venom acupuncture for controlling of chronic low back pain**

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The objective of this study was to determine the therapeutic modality employing bee venom acupuncture (BVA) for controlling of chronic low back pain (CLBP). This study is a randomized, controlled clinical trial with two parallel arms. We intend to compare between the effects of BVA by bee sting in patients with CLBP and patients with chronic LBP on pharmacotherapy only. We recruited with a target sample size of 40 participants. The study was under taken for six months. Inclusion criteria age 28:65 history of back pain more than 3 months. The curative effect was measured by scoring of visual analog scale (VAS) of LBP at the time of screening and Oswestry low back pain disability questionnaire. The results revealed that the bee venom acupuncture showed significant improvement in patients who received bee venom group when compared to patients who received pharmacotherapy only. It is concluded that both modes of treatment for CLBP gave improvement regarding pain intensity, disability and quality of life being more evident in bee venom group supported with improved serum (IL1 and NF-KB)

#### **Biography**

Aliaa El Gendy graduated from Faculty of Medicine, Cairo University. She completed her MSc in Rheumatology and Rehabilitation from Cairo University in 2003 and PhD in Application of laser in internal medicine from Cairo University in 2013. Her domains of interest are application of laser in medicine, medical nutrition and apitherapy.

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