

Abstract

Purpose and background : Backache is a common muscular-skeleton ache that decreases the quality of human life and imposes huge costs on health system of country. Acupuncture is presented as an effective way to decrease the pains resulting from this illness. The purpose of this paper is to investigate effectiveness – immune - cost as well as moral, organizational, social and legal dimensions of this cure way.

Methodology: To gather information, main information banks including Cochrane Library, Centre for Reviews and Dissemination (CRD), PubMed, Scopus, Trip, Embase, Inahta, PsycINFO, Google Scholar were used with suitable vocabularies and special strategies. After evaluating the quality of studies, immune – effectiveness and cost consequences of the technology are investigated and in case of needing meta-analyses Revman software was used.

To stimulate costs and consequences of needle in compare to physio tropic, we use decision tree model and ICER was used to analyze data. To investigate as moral, organizational, social and legal dimensions, all available data was used. In case of lack of documents, qualitative data of experts in this field as well as patients' opinions were used.

Findings: Of 510 related studies, 39 paper were investigated at the first step, then 11 cases were selected finally. Among these studies, two studies (18%) were systematic studies and meta-analyze – 7 studies (64%) were clinical studies and 2 studies (18%) were economic evaluations. Also, SMD for cure group with Acupuncture Against sham was -0.59. On the other hand , meta-analyze of the study suggested that effectiveness factor was -11.39 in the confidence interval of -۴۵,۴ and -۳۲,۱۸ and significance level of $P=0.001$. The values of cost –effectiveness for acupuncture compare to physiotherapy is the interference interval of -0.377 and keeping phase of -0/153 ,so it's located in the East south quarter is the dominant method. Other moral, organizational, social and legal dimensions were acceptable by using this method.

Conclusion: The immune of acupuncture is considerable. The effectiveness of this method for experimental group with acupuncture is higher than Sham group. The effectiveness cost of this method is higher than physiotherapy. According to the results, acupuncture is a useful and logical method. More studies are needed in terms of effectiveness of this method in Iranian society.

Key words: backache- Acupuncture – immune-health technology evaluation



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