Commentary
Volume 12:02, 2023

Journal of Spine

ISSN: 2165-7939 Open Access

Neck Pain Treatment with Bee Venom Acupuncture: A Review of Korean Literature

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Introduction

Patients typically use self-reported outcome measures, such as the numerical rating scale, to evaluate the subjective pain caused by musculoskeletal disorders. These outcomes of pain severity, which are considered to be the primary outcomes of neck pain, are appropriate for providing TKM doctors with results regarding patient satisfaction as well as clinical evidence. A representative 10-item questionnaire for assessing cervical pain, the Neck Disability Index (NDI) was developed. The Korean version of the NDI was published in 2009, and its test–retest reliability correlation coefficient was 0.927. There are different surveys for assessing cervical agony: the Copenhagen Neck Functional Disability Scale, the Cervical Spine Outcome Questionnaire, the Patient-Specific Functional Scale, and the Neck Pain and Disability Scale all include self-reports of neck dysfunction. Biomarkers for aggravation (e.g., C-receptive protein and interleukin-6 (IL-6)) are likewise used to gauge torment. Notwithstanding actual capability, mental capability, personal satisfaction, and pain reliever measurements can be utilized as markers [1,2].

Description

There were a few limitations to this review. To begin, the majority of the included studies were case studies with relatively few samples. In addition, it is common knowledge that case studies are of low quality in the evidence pyramid hierarchy. Therefore, randomized controlled trials and other high-quality clinical evidence are required. Before and after treatment were statistically significant; in any case, the deliberate qualities were not detailed, and a meta-examination was not led. Thirdly, the systematic review included only clinical studies conducted and retrieved in Korea; however, this review might not have included those that were published in international journals like PubMed, Embassy, or the Cochrane Central Register of Controlled Trials. Fourth, reporting the BVA injection site would be preferable. Nevertheless, this review provides comprehensive information regarding the clinical applications of BV toxins. In addition, this review's details on the BVA will be helpful in planning clinical trials for the development of new medications for neck pain [3]. Melting, adolapamin, again, and mast cell degranulation peptide are the main components. Enzymes, non-peptide components, and amines with biological activity are also present. The enzymes include non-peptides like dopamine, histamine, and norepinephrine as well as acid phosphomonesterase, hyaluronidase, lysophospholipase phospholipase A2, and -d-glucosidase [4].

BV has been experimentally shown to have anti-inflammatory, analgesic, antipyretic, and anticonvulsant effects in addition to immune system activation, cytolysis, and radiation protection effects. It is utilized in cancer, autoimmune, musculoskeletal, purulent, and musculoskeletal disorders. Specialists in East-Asian nations (e.g., the Republic of Korea, China, and so forth.) typically use BV for pharmacopuncture treatment, or at least, a joined treatment of natural medication and needle therapy. According to a national survey of traditional Korean medicine, 22.4% of patients who visit clinics receive pharmacotherapy, with being the second most common form in Korea. BVA might be joined by a rash, tingling, chills, fever, regurgitating, and loose bowels because of hypersensitivity. In severe cases, it may be accompanied by fainting, difficulty breathing, or even obstruction of the airways; Consequently, care should be taken when using this therapy [5,6].

Conclusion

Tension or pain caused by muscle tension or muscle veins in the neck or occipital region is known as neck pain. These conditions can limit the range of motion in the neck and result in local tenderness and pain that radiates to the shoulder blades and upper extremities. Due to its anatomical characteristics, the cervical spine has a relatively wide range of motion and structurally weak joint stability in comparison to other vertebrae. It has been accounted for that around 67% of the total populace will encounter neck torment no less than once in the course of their life, and assuming it becomes constant, it can cause significant decreases in personal satisfaction. The most common muscle pain at home and around the world is neck pain. In bee venom acupuncture, diluted and purified bee venom is injected into acupoints.

Acknowledgement

None.

Conflict of Interest

None.

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Received: 03 April, 2023, Manuscript No. jsp-23-95832; **Editor Assigned:** 05 April, 2023, PreQC No. P-95832; **Reviewed:** 17 April, 2023, QC No. Q-95832; **Revised:** 22 April, 2023, Manuscript No. R-95832; **Published:** 29 April, 2023, DOI: 10.37421/2165-7939.2023.12.587

How to cite this article: Liu, Haer. "Neck Pain Treatment with Bee Venom Acupuncture: A Review of Korean Literature." *J Spine* 12 (2023): 587.