

Phytochemistry and pharmacological aspects of *Tridax procumbens*

Aihua Liang *

Department of Pharmacology, Institute of Chinese Materia Medica, China, Email: ahliang@icmma.ac.cn

*Corresponding author: Yabin Gao, Department of Pharmacology Central Institute of Medicinal University, China, Email: 1020061312@qq.com

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Abstract

Spinal Cord Injury (SCI) results in a permanent or temporary alteration of the motor, sensory and/or autonomic functions, frequently leading to neuropathic pain. To deal with this comorbidity, several non-pharmacological and non-surgical (NP-NS) interventions have been developed. However, their efficacy is still uncertain. The aim of this study was to systematically synthesize the available evidence assessing the efficacy of NP-NS interventions for treating neuropathic pain in people with SCI. Thus, an electronic search was conducted in five databases (PubMed, Scopus, Cochrane Central, Web of Science and EBSCO) and trials registry databases, in addition to a manual search strategy to retrieve additional records. The review included randomized controlled trials with adults with SCI, in any stage of the condition. Data on the efficacy of the interventions was narratively synthesized. Once the research was completed, of 4853 identified references, 24 were included with a total of 653 participants with SCI and neuropathic pain, mostly male and with paraplegia. These studies investigated the effect of 13 types of NP-NS interventions with different protocols and methodological limitations. Seven different assessment scales were analyzed, with neuropathic pain being the primary outcome in 21 studies. Such high heterogeneity impaired the conduct of meta-analysis for any of the interventions. Although promising results were found regarding analgesic effect of NP-NS on neuropathic pain in people with SCI, it is not yet possible to safely state that these interventions are in fact effective. Further studies with homogeneous protocols and methodological quality are still needed of inflammatory eye diseases. *P. pellucida* extract

Biography

Aihua Liang currently works at the Department of Analytical Chemistry (CIMAP), Central Institute of Medicinal and Aromatic Plants. Research interest Analytical and Natural product chemistry. Analytical Chemistry Department, CSIR-Central Institute

of Medicinal and Aromatic Plants, China, Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, 201002, India. Electronic address: ahliang@icmma.ac.cn