INPLASY PROTOCOL

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A systematic review of the therapeutic effect of acupotomy on postherpetic neuralgia

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Review question / Objective: Postherpetic neuralgia is a refractory disease in the department of pain. Although there are various treatments, the efficacy remains to be evaluated. The purpose of this systematic evaluation is to accurately evaluate the efficacy of acupotomy in treating postherpetic neuralgia. P: Patients with postherpetic neuralgia I: acupotomy C: Drugs O: Efficiency, VAS score S: Randomized control.

Condition being studied: Postherpetic neuralgia is a refractory disease in pain department. Acupotomy is mainly used to treat painful diseases. It has developed rapidly in recent years and has been widely used in different clinical disciplines. Accurate evaluation of the therapeutic effect of acupotomy on postherpetic neuralgia is of great significance for the treatment of this disease and the development of acupotomy.

INPLASY registration number: This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 21 November 2022 and was last updated on 21 November 2022 (registration number INPLASY2022110101).

INTRODUCTION

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METHODS

Search strategy: (1) Retrieval strategy:Search: (("Herpes Zoster"[Mesh]) OR (((Zona[Title/Abstract]) OR (Zoster[Title/ Abstract])) OR (Shingles[Title/Abstract]))) AND (((Needle knife[Title/Abstract]) OR (needle-knife[Title/Abstract])) OR (Acupotomy[Title/Abstract])) ②Retrieval strategy:Search: (((Needle knife[Title/ Abstract]) OR (needle-knife[Title/Abstract])) OR (Acupotomy[Title/Abstract])) AND (("Neuralgia"[Mesh]) le/Abstract]) OR (Neuropathic Pain[Title/ Abstract])) OR (Neuropathic Pains[Title/ Abstract])) OR (Pain, Neuropathic[Title/ Abstract])) OR (Pains, Neuropathic[Title/ Abstract])) OR (Neurodynia[Title/Abstract])) OR (Neurodynias[Title/Abstract])) OR (Neuralgia, Atypical[Title/Abstract])) OR (Atypical Neuralgia[Title/Abstract])) OR (Atypical Neuralgias[Title/Abstract])) OR (Neuralgias, Atypical[Title/Abstract])) OR (Neuralgia, Lliohypogastric Nerve[Title/ Abstract])) OR (Lliohypogastric Nerve Neuralgia[Title/Abstract])) OR (Lliohypogastric Nerve Neuralgias[Title/ Abstract])) OR (Nerve Neuralgia, Lliohypogastric[Title/Abstract])) OR (Nerve Neuralgias, Lliohypogastric[Title/Abstract])) OR (Neuralgias, Lliohypogastric Nerve[Title/Abstract])) OR (Paroxysmal Nerve Pain[Title/Abstract])) OR (Nerve Pain, Paroxysmal[Title/Abstract])) OR (Nerve Pains, Paroxysmal[Title/Abstract])) OR (Pain, Paroxysmal Nerve[Title/Abstract])) OR (Pains, Paroxysmal Nerve[Title/ Abstract])) OR (Paroxysmal Nerve Pains[Title/Abstract])) OR (Neuralgia, Perineal[Title/Abstract])) OR (Neuralgias, Perineal[Title/Abstract])) OR (Perineal Neuralgia[Title/Abstract])) OR (Perineal Neuralgias[Title/Abstract])) OR (Neuralgia, Stump[Title/Abstract])) OR (Neuralgias,

Stump[Title/Abstract])) OR (Stump Neuralgia[Title/Abstract])) OR (Stump Neuralgias[Title/Abstract])) OR (Neuralgia, Supraorbital[Title/Abstract])) OR (Neuralgias, Supraorbital[Title/Abstract])) OR (Supraorbital Neuralgia[Title/Abstract])) OR (Supraorbital Neuralgias[Title/ Abstract])) OR (Neuralgia, Vidian[Title/ Abstract])) OR (Neuralgias, Vidian[Title/ Abstract])) OR (Vidian Neuralgia[Title/ Abstract])) OR (Vidian Neuralgias[Title/ Abstract])) OR (Nerve Pain[Title/Abstract])) OR (Nerve Pains[Title/Abstract])) OR (Pain, Nerve[Title/Abstract])) OR (Pains, Nerve[Title/Abstract])) OR (Neuralgia, Llioinguinal[Title/Abstract])) OR (Llioinguinal Neuralgia[Title/Abstract])) OR (Llioinguinal Neuralgias[Title/Abstract])) OR (Neuralgias, Llioinguinal [Title/Abstract]))).

Participant or population: Patients with postherpetic neuralgia.

Intervention: Acupotomy.

Comparator: Drugs.

Study designs to be included: RCT.

Eligibility criteria: Inclusion criteria:1. The type of study must be randomized controlled trial;2. Conform to the clinical symptoms or diagnostic criteria of postherpetic neuralgia;3. The intervention measure is simple western medicine treatmentExclusion criteria:1. Non randomized controlled trial;2. The intervention measures in the control group were not only western medicine treatment;3. Conference papers, dissertations, incomplete data acquisition papers, etc.

Information sources: CNKI、CBM、VIP、万 方、Pubmed、Embase、Cochrane、Web of Science.

Main outcome(s): Efficient, Pain score.

Data management: NoteExpress.

Quality assessment / Risk of bias analysis: RevMan5.4.

Strategy of data synthesis: There are heterogeneous selection random effects in the combined data; There are no heterogeneous selection fixed effect consolidated data.

Subgroup analysis: Subgroup study according to the age, course of disease, Acupotomy combined therapy, simple Acupotomy, etc.

Sensitivity analysis: After deleting any one of the documents, the difference between the combined results of the remaining documents and those without deletion is small, which means that the sensitivity analysis has been passed.

Country(ies) involved: China.

Keywords: Postherpetic neuralgia, Acupotomy.

Contributions of each author:

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Author 2 - Zi ChangYan.

Author 3 - Tan Ya.

Author 4 - Ren ZhengQiang.