

# INPLASY PROTOCOL

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**Review Stage at time of this submission:** The review has not yet started.

**Conflicts of interest:**  
All authors declare that they have no conflict of interest.

## The Clinical Efficacy of Acupoint Sticking Combined with Massage to Treatment Functional Dyspepsia: A protocol of systematic review and meta-analysis

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**Review question / Objective:** P: diagnosed as functional dyspepsia; I: acupoint sticking combined with massage; C: control groups were other treatment; O: alleviation of global dyspeptic symptoms, alleviation of individual dyspeptic symptoms, quality-of-life improvement and safety; S: comparative design were included.

**Condition being studied:** Functional dyspepsia.

**Information sources:** MEDLINE, Springer, Web of Science, PubMed, EMBASE, the Cochrane Database of Systematic Reviews, Evidence Based Medicine Reviews, CNKI Chinese Biomedical Databases, Wanfang Digital Journals, China National Knowledge Infrastructure.

**INPLASY registration number:** This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 17 November 2020 and was last updated on 17 November 2020 (registration number INPLASY2020110072).

### INTRODUCTION

**Review question / Objective:** P: diagnosed as functional dyspepsia; I: acupoint sticking combined with massage; C: control groups were other treatment; O: alleviation of global dyspeptic symptoms,

alleviation of individual dyspeptic symptoms, quality-of-life improvement and safety; S: comparative design were included.

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## METHODS

**Participant or population:** Diagnosed as functional dyspepsia

**Intervention:** Acupoint sticking combined with massage.

**Comparator:** Other treatment.

**Study designs to be included:** Comparative design.

**Eligibility criteria:** Patients suffered from FD.

**Information sources:** MEDLINE, Springer, Web of Science, PubMed, EMBASE, the Cochrane Database of Systematic Reviews, Evidence Based Medicine Reviews, CNKI Chinese Biomedical Databases, Wanfang Digital Journals, China National Knowledge Infrastructure.

**Main outcome(s):** (1) Alleviation of global dyspeptic symptoms, measured by global symptom improvement scale; (2) Alleviation of individual dyspeptic symptoms (epigastric burning, epigastric pain, gastric emptying or fullness), measured by individual symptom improvement scale.

**Additional outcome(s):** (1) Quality-of-life improvement; (2) Safety.

**Quality assessment / Risk of bias analysis:** The following items will be independently assessed by two authors using the risk of bias assessment tool. (1) Was there adequate sequence generation (selection bias)? (2) Was allocation adequately concealed (selection bias)? (3) Was knowledge of the allocated interventions adequately prevented during the study? (4) Participants and personnel (performance bias) (5) Outcome assessors (detection bias) (6) Were incomplete outcome data adequately addressed (attrition bias)? (7) Are reports of the study free of suggestion of selective outcome reporting (reporting bias)? (8) Was the study apparently free of other problems that could put it at a risk of bias?

**Strategy of data synthesis:** Data will be pooled using the random-effects model but the fixed effect model will also be used to ensure robustness of the model chosen and susceptibility to outliers.

**Subgroup analysis:** Based on available data, we will perform the following subgroup analyses: different types of treatment.

**Sensibility analysis:** Excluding any very long or large studies to establish how much they dominate the results.

**Country(ies) involved:** China.

**Keywords:** protocol; systematic review; acupoint sticking; massage; functional dyspepsia.

### Contributions of each author:

Author 1 - Xiaoyan Wu.

Author 2 - Weijun Jiang.

Author 3 - Chuixia Shi.

Author 4 - Hui Qian.

Author 5 - Xnguo Fan.

Author 6 - Ping Zhou.