Evidence-based Complementary and Alternative Medicine Supplementary Materials

**Effectiveness of Acupuncture for Early Recovery of Bowel Function in Cancer: A Systematic Review and Meta-Analysis**

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**Supplementary file1: Subgroup analysis.**

**Supplemental file 1A-D:** primary outcomes of acupuncture treatment: subgroup analysis by cancer type and various control interventions.

**C:\Users\Administrator\Desktop\2017.3.5\cancer type-flatus- Forest plot.tif**

Supplemental file 1A: Forest plots of outcome “Time to first flatus” Subgroup: cancer type.

**C:\Users\Administrator\Desktop\2017.3.5\cancer type-defecation-Forest plot.tif**

Supplemental file 1B: Forest plots of outcome “Time to first defecation” Subgroup: cancer type.

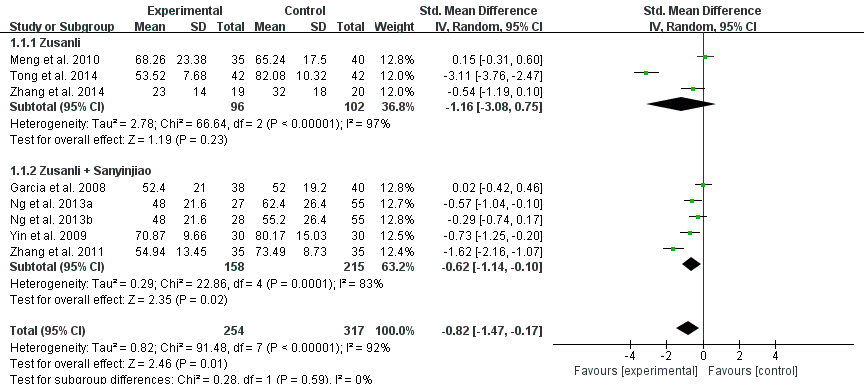
**C:\Users\Administrator\Desktop\2017.3.5\control-flatus.tif**

Supplemental file 1C: Forest plots of outcome “Time to first flatus” Subgroup: control type.

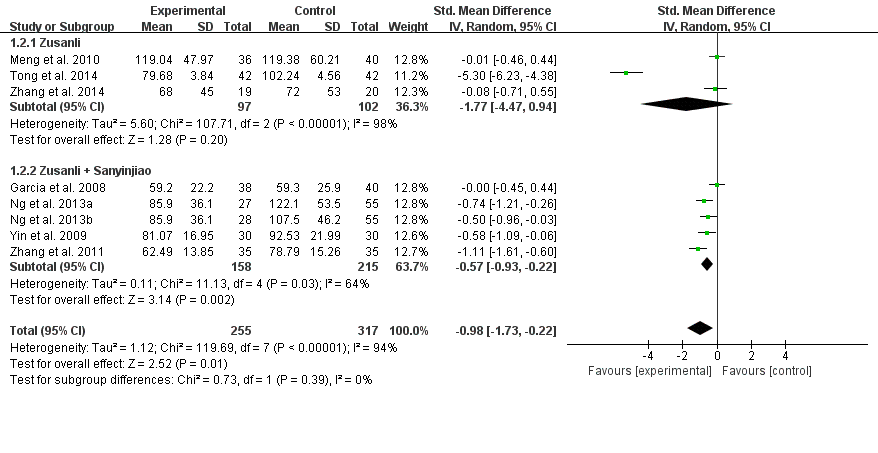
**C:\Users\Administrator\Desktop\2017.3.5\control-defecation.tif**

Supplemental file 1D: Forest plots of outcome “Time to first defecation” Subgroup: control type.

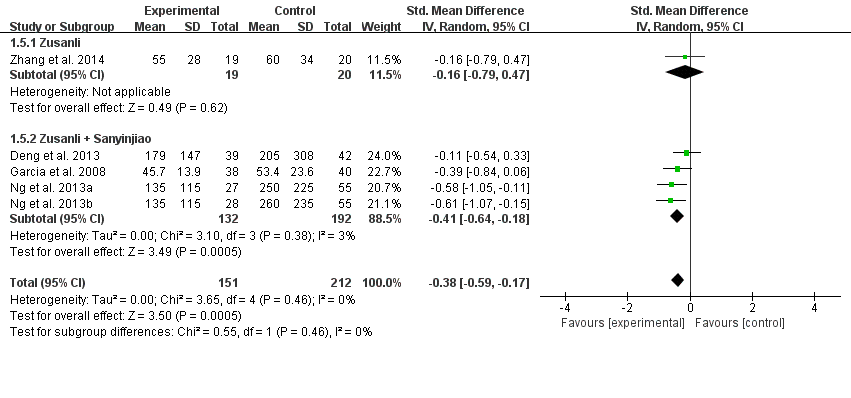
**Supplemental file 1E-G:** primary outcomes of acupuncture treatment: subgroup analysis by acupuncture points.

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Supplemental file 1E: Forest plots of outcome “Time to first flatus” Subgroup: acupuncture points.

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Supplemental file 1F: Forest plots of outcome “Time to first defecation” Subgroup: acupuncture points.

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Supplemental file 1G: Forest plots of outcome “Opioids consumption” Subgroup: acupuncture points.

**Supplementary file2: Sensitivity analysis and Cumulative meta-analysis.**

**Supplemental file 2A-B.** Sensitivity analyses of the comparison between acupuncture and control group. **a** Time to first flatus; **b** Time to first defecation.



Supplemental file 2A. Sensitivity analysis for time to first flatus between acupuncture and control group.

C:\Users\Administrator\Desktop\defecation.tif

Supplemental file 2B. Sensitivity analysis for time to first defecation between acupuncture and control group.

**Supplemental file 2C-D.** Cumulative meta-analysis of the comparison between acupuncture and control group. **c** Time to first flatus; **d** Time to first defecation.

C:\Users\Administrator\Desktop\flatus_副本.tif

Supplemental file 2C:Cumulative meta-analysis of the comparison between acupuncture and control group: time to first flatus.

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Supplemental file 2D:Cumulative meta-analysis of the comparison between acupuncture and control group: time to first defecation.

**Supplementary file3: Reporting quality of RCTs based on STRICTA.**

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| Item | Detail | Garcia2008 | Yin  2009 | Meng2010 | Chao2010 | Zhang  2011 | Ng  2013 | Deng  2013 | Zhang  2014 | Tong  2014 | Hsiung  2015 | Comment |
| 1.  Acupuncture rationale | 1a) Style of acupuncture (e.g. Traditional Chinese Medicine，Japanese，Korean，Western medical，etc) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Style of acupuncture or acupressure |
| 1b) Reasoning for treatment provided， literature sources，and/or consensus methods，with references where appropriate | Y | N | Y | Y | N | Y | N | N | N | N |  |
| 1c) Extent to which treatment was varied | N | Y | N | N | Y | Y | N | Y | N | N | “Y” is needed to state the detailed description |
| 2.  Details of needling | 2a) Number of needle insertions per subject per session (mean and range where relevant) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Number of treated  acupuncture and acupressure treatment per point per session |
| 2b) Names (or location if no standard name) of points used (uni/bilateral) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |  |
| 2c) Depth of insertion，based on a specified unit of measurement | Y | N | N | Y | N | Y | N | Y | Y | N |  |
| 2d) Response sought (e.g. de qi or muscle twitch response) | Y | N | Y | Y | N | Y | Y | N | Y | Y |  |
| 2e) Needle stimulation (e.g. manual，electrical) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Procedure and technique for acupuncture and acupressure |
| 2f) Needle retention time | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Time of treatment per point |
| 2g) Needle type (diameter，length，and manufacturer) | Y | Y | N | N | Y | Y | N | Y | N | N | Detailed feature |
| 3.  Treatment regimen | 3a) Number of treatment sessions | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |  |
| 3b) Frequency and duration of treatment sessions | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |  |
| 4.  Other components of treatment | 4a) Details of other interventions administered to the acupuncture group (e.g. moxibustion，cupping，herbs，exercises) | N | Y | N | Y | N | Y | Y | Y | N | Y |  |
| 4b) Setting and context of treatment，including instructions to practitioners，and information and explanations to patients | N | N | Y | N | N | N | N | N | N | N |  |
| 5.  Practitioner background | 5) Description of participating acupuncturists (qualification or professional affiliation，other relevant experience) | N | N | Y | Y | N | Y | N | Y | N | N |  |
| 6.  Control or comparator interventions | 6a) Rationale for the control or comparator in the context of the research question，with sources that justify this choice | N | N | N | Y | N | Y | Y | Y | N | N |  |
| 6b) Precise description of the control or comparator. If sham acupuncture or any other type of acupuncture-like control is used，provide details as for Items 1 to 3 above. | N | N | N | Y | N | Y | N | Y | N | N |  |

*N* not adequately reported; *Y* adequately reported ; *RCTs* randomized controlled trials; *STRICTA* standards for reporting interventions in clinical trials of acupuncture