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# Sepsis:

## Septicémie : évaluation de l'acupuncture

### 1. Systematic Reviews and Meta-Analysis

☆☆☆	Evidence for effectiveness and a specific effect of acupuncture
☆☆	Evidence for effectiveness of acupuncture
☆	Limited evidence for effectiveness of acupuncture
∅	No evidence or insufficient evidence

#### 1.1. Tang 2020 ☆

Tang Yidan. [Efficacy and safety of acupuncture on sepsis: a systematic review]. Chinese Journal of Evidence-Based Medicine. 2020. [212949].

<b>Objectives</b>	To systematic review the efficacy and safety of acupuncture on patients with sepsis.
<b>Methods</b>	The PubMed, EMBASE, The Cochrane Library, CNKI, WanFang Data, VIP and CBM databases were searched. The retrieval time was from inception to October 1st, 2019. Randomized controlled trials (RCTs) on acupuncture on sepsis were screened. Two researchers independently screened articles, extracted and analyzed data, and evaluated risk of bias included in the study. Meta-analysis was performed by RevMan 5.3 software.
<b>Results</b>	A total of <b>20 RCTs involving 1 337 patients</b> were included. Meta-analysis showed that there were significant differences between the acupuncture group with conventional treatment in 28-day mortality [RR=0.69, 95%CI 0.5, 0.9, P=0.03], APACHEII score at 3rd day [MD=-2.4, 95%CI -3.68, -1.12, P=0.0002] and 7thday [MD=-4.37, 95%CI -6.32, -2.21, P<0.0001], length of the ICU stay [MD=-1.54, 95%CI -2.81, -0.27, P=0.02], the effective rate for improved gastrointestinal function [RR=1.5, 95%CI 1.09, 2.06, P=0.01], concentrations of PCT [MD=-2.23, 95%CI -3.33, -1.13, P<0.001] and TNF- $\alpha$ [MD=-14.86, 95%CI -23.74, -5.97, P=0.001] at the 7thday. However, there was no significant difference between two groups on the CD8+count at the 7thday [MD=1.65, 95%CI -0.32, 3.62, P=0.1].
<b>Conclusions</b>	Available evidence suggests that acupuncture may be a potential treatment method for sepsis patients. Due to limited quantity and quality of included studies, the above conclusions are required to be verified by more high-quality studies.

#### 1.2. Wang 2018

Wang Li-Juan, Li Jian, Li Xiao-Juan. [Efficacy and Safety of Acupuncture Therapy for Sepsis: A Meta-Analysis]. Guiding Journal of Traditional Chinese Medicine and Pharmacy. 2018;23:86-90. [201754].

<b>Objective</b>	To systematically evaluate the clinical efficacy and safety of acupuncture therapy for sepsis.
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<b>Methods</b>	The electronic searches in databases of CNKI, CBM, WanFang, PubMed and handsearches the essays on important academic conferences, from the establishment time of databases to June 2017, to collect randomized controlled trials(RCTs) on acupuncture therapy for sepsis. Quality evaluation and date extraction were implemented by two researchers independently for the literature which met the inclusion and exclusion criteria, by the “risk of bias” assessment tool of Cochrane. The RevMan 5.3 software was used to make Meta-analysis.
<b>Results</b>	<b>Twelve RCTs including 811 cases</b> of sepsis were included. According to the results of Meta-analysis, compared with the conventional treatment group(the control group), 28 day mortality [RR=0.48, 95%CI(0.25,0.92), P=0.03] in the combined acupuncture treatment group(the experimental group) were lower; The APACHE II score and the levels of PCT in the experimental group was lower than that in the control group; The improvement of gastrointestinal dysfunction in the clinical efficacy was higher; None of the studies reported any adverse reactions of acupuncture.
<b>Conclusion</b>	Current evidence showed that acupuncture therapy can reduce systemic inflammatory response, promote functional recovery of the body, improve the clinical symptoms and prognosis in patients with sepsis; what’s more, it is safe. But it needs to be supported by the results of RCTs of multicenter and large samples.

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