Table des matières

1. Systematic Reviews and Meta-Analysis 1
1.1. Generic Acupuncture 1
1.1.1. Wu 2022 1

Radiotherapy-induced adverse effect

Effets indésirables de la radiothérapie

1. Systematic Reviews and Meta-Analysis

1.1. Generic Acupuncture

1.1.1. Wu 2022

Wu T, Fu C, Deng Y, Huang W, Wang J, Jiao Y. Acupuncture therapy for radiotherapy-induced adverse effect: A systematic review and network meta-analysis. Front Public Health. 2022 Dec 15;10:1026971. https://doi.org/10.3389/fpubh.2022.1026971

Objective	To evaluate the efficacy of different acupuncture therapies for radiotherapy-induced adverse effects (RIAEs) and find out the optimal scheme.
Methods	Eligible randomized controlled trials (RCTs) were collected from inception to June 2020 from 9 bibliographic databases. The risk of bias evaluation of the analyzed literature was carried out using the Cochrane risk-of-bias tool. Network meta-analysis was mainly performed using STATA 14.2 and OpenBUGS 3.2.3 by figuring out the network diagrams, league figures, and SUCRA values.
Results	A total of **41 studies with 3,011 participants** reported data suitable for network meta-analysis. There was a low to moderate risk of bias in twenty of the articles. ST36 was the most widely prescribed acupoint. Based on network meta-analysis, four outcome indicators were described, namely, acupuncture + medication ranked first in treating radiation enteritis, moxibustion + medication ranked first in preventing radiotherapy-induced leukopenia, acupuncture + medication ranked first in preventing radioactive oral mucositis, and acupuncture ranked first in improving the stimulated salivary flow rate of radioactive xerostomia.
Conclusion	The findings of the network meta-analysis manifested that acupuncture therapy combined with medication has superiority in most RIAEs, both reducing incidence and relieving symptoms. However, high-quality studies are still needed to provide conclusive evidence.

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