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General Ophthalmology

Ophthalmologie générale : 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. Welte 2017

Welte AK, Hahn U, Büssing A, Krummenauer F. [Systematic Review of the Application of Complementary and Alternative Medicine and their Potential Therapeutic Benefits in the Treatment of Ophthalmology Patients]. *Klin Monbl Augenheilkd.* 2017;234(5):686-696. [99927].

Purpose	A systematic review was carried out of the reported therapeutic effects of complementary and alternative medicine methods as supplementary or primary treatments for patients suffering from glaucoma, cataract or age-related macular degeneration (AMD).
Material and Methods	For the years 1990 to 2013, the following databases were screened for reports of the application of complementary and alternative treatments: PubMed, Cochrane Library, EMBASE, CAMbase and AMED. Both randomised and prospective non-randomised patient trials were included in the review; results were evaluated in the following classes: "phytotherapy", "acupuncture/acupressure", "biofeedback" and "other alternative treatments". The studies were evaluated by measures of clinical effect, statistical significance (p value and/or confidence interval) and the underlying trial design.
Results	30 clinical trials were included, including 13 on glaucoma, 5 on cataract and 12 on AMD patients. These trials were based on patient numbers of 6-332, 27-157 and 6-328 patients, respectively. Phytotherapy was applied in 14 trials, including 6 on glaucoma patients (all 6 with a controlled design, and 3 of which reporting statistically significant results); 5 trials were on cataract patients (3 with a controlled design and 2 with a significant result) and 3 on AMD patients (only 1 with a controlled design, with a significant result). Acupuncture/acupressure was investigated in 9 trials, 5 on glaucoma patients (3 with a controlled design, 1 with a significant result); no acupuncture/acupressure trial was found in cataract patients, but 4 trials in AMD patients (none with a controlled design). Biofeedback was studied in 4 trials, all on AMD patients (only one with a controlled design, without statistically significant findings).
Conclusion	Despite its rigorous inclusion criteria, this review identified several clinical trials on complementary and alternative medicine in ophthalmological patients. Phytotherapeutic methods gave significant results in half of the reported controlled trials, whereas there were few significant benefits with acupuncture or acupressure.

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