



The Research Evidence Base for Homeopathy

Systematic reviews of randomised controlled trials (RCTs) of homeopathy

- Four of five major comprehensive reviews of RCTs in homeopathy have reached broadly positive conclusions.^{1,2,3,4} Based on a smaller selection of trials, a fifth review came to a negative conclusion about homeopathy.⁵
- Positive conclusions have been reported in nine of 21 reviews of RCTs in specific categories of medical condition (the other 12 are largely inconclusive):
 - allergies and upper respiratory tract infections⁶
 - childhood diarrhoea⁷
 - influenza treatment⁸
 - post-operative ileus⁹
 - rheumatic diseases¹⁰
 - seasonal allergic rhinitis^{11,12,13}
 - vertigo.¹⁴

RCTs of homeopathy – the original peer-reviewed research literature

- Up to the end of 2006, 127 RCTs had been published: 57 positive; 6 negative; 64 not statistically conclusive. In addition to the above seven conditions, there is positive evidence from two or more RCTs in each of the following three areas:
 - fibromyalgia^{15,16}
 - osteoarthritis^{17,18}
 - sinusitis.^{19,20}
- There is evidence from single RCTs (not refuted elsewhere) in favour of homeopathy for a number of other conditions, including: acute otitis media,²¹ ankle sprain,²² bronchitis,²³ chronic fatigue,²⁴ premenstrual syndrome.²⁵

Cost effectiveness of homeopathy

- Integration of homeopathy with conventional treatment is associated with better clinical outcomes for similar or lower costs.^{26,27,28}

Clinical observational studies

- 70.7% of 6,544 follow-up patients, treated at Bristol Homeopathic Hospital for a wide range of chronic medical complaints, reported positive health changes.²⁹
- Many patients attending the Royal London Homoeopathic Hospital were able to reduce or stop conventional medication following homeopathic treatment.³⁰

Basic Science

- Laboratory research has obtained evidence that water may retain information about homeopathically-prepared solutes.^{31,32,33}
- Additional laboratory studies have shown that homeopathic dilutions can exert biological effects.^{e.g. 34,35,36}

References

- 1 Kleijnen J, Knipschild P, ter Riet G. Clinical trials of homeopathy. *Br Med J* 1991; **302**: 316–23.
- 2 Linde K, Clausius N, Ramirez G, et al. Are the clinical effects of homeopathy placebo effects? A meta-analysis of placebo-controlled trials. *Lancet* 1997; **350**: 834–43.
- 3 Linde K, Scholz M, Ramirez G, et al. Impact of study quality on outcome in placebo controlled trials of homeopathy. *J Clin Epidemiol* 1999; **52**: 631–6.
- 4 Cucherat M, Haugh MC, Gooch M, Boissel JP. Evidence of clinical efficacy of homeopathy – A meta-analysis of clinical trials. *Eur J Clin Pharmacol* 2000; **56**: 27–33.
- 5 Shang A, Huwiler-Muntener K, Nartey L, et al. Are the clinical effects of homeopathy placebo effects? Comparative study of placebo-controlled trials of homeopathy and allopathy. *Lancet* 2005; **366**: 726–32.
- 6 Bornhöft G, Wolf U, Ammon K, et al. Effectiveness, safety and cost-effectiveness of homeopathy in general practice – summarized health technology assessment. *Forsch Komplementärmed* 2006; **13** Suppl 2: 19–29.
- 7 Jacobs J, Jonas WB, Jimenez-Perez M, Crothers D. Homeopathy for childhood diarrhea: combined results and metaanalysis from three randomized, controlled clinical trials. *Pediatr Infect Dis J* 2003; **22**: 229–34.
- 8 Vickers A, Smith C. *Homeopathic Oscillocoquinum for preventing and treating influenza and influenza-like syndromes (Cochrane Review)*. In: The Cochrane Library. Chichester, UK: John Wiley & Sons, Ltd. 2006; CD001957.
- 9 Barnes J, Resch K-L, Ernst E. Homeopathy for postoperative ileus? A meta-analysis. *J Clin Gastroenterol* 1997; **25**: 628–33.
- 10 Jonas WB, Linde K, Ramirez G. Homeopathy and rheumatic disease – Complementary and alternative therapies for rheumatic diseases II. *Rheum Dis Clin North Am* 2000; **26**: 117–23.
- 11 Wiesenauer M, Lüdtker R. A meta-analysis of the homeopathic treatment of pollinosis with Galphimia glauca. *Forsch Komplementärmed Klass Naturheilkd* 1996; **3**: 230–6.
- 12 Taylor MA, Reilly D, Llewellyn-Jones RH, et al. Randomised controlled trials of homeopathy versus placebo in perennial allergic rhinitis with overview of four trial series. *Br Med J* 2000; **321**: 471–6.
- 13 Bellavite P, Ortolani R, Pontarollo F, et al. Immunology and homeopathy. 4. Clinical studies – Part 2. *eCAM* 2006; **3**: 397–409.
- 14 Schneider B, Klein P, Weiser M. Treatment of vertigo with a homeopathic complex remedy compared with usual treatments: a meta-analysis of clinical trials. *Arzneimittelforschung* 2005; **55**: 23–9.
- 15 Fisher P. An experimental double-blind clinical trial method in homeopathy. Use of a limited range of remedies to treat fibrositis. *Br Homeopath J* 1986; **75**: 142–7.
- 16 Bell I, Lewis D, Brooks A, et al. Improved clinical status in fibromyalgia patients treated with individualized homeopathic remedies versus placebo. *Rheumatology* 2004; **43**: 577–82.
- 17 Shealy CN, Thomlinson RP, Cox RH, Borgmeyer RN. Osteoarthritic pain: a comparison of homeopathy and acetaminophen. *Am J Pain Manage* 1998; **8**: 89–91.
- 18 van Haselen RA, Fisher PAG. A randomized controlled trial comparing topical piroxicam gel with a homeopathic gel in osteoarthritis of the knee. *Rheumatology* 2000; **39**: 714–9.
- 19 Friese K-H, Zabalotnyi DI. Homeopathy in acute rhinosinusitis. A double-blind, placebo controlled study shows the effectiveness and tolerability of a homeopathic combination remedy. *HNO* 2006; **55**: 271–7.
- 20 Weiser M, Clasen B. Randomized, placebo-controlled, double-blind study of the clinical efficacy of the homeopathic Euphorbium compositum-S nasal spray in cases of chronic sinusitis. *Forsch Komplementärmed* 1994; **1**: 251–9.
- 21 Jacobs J, Springer DA, Crothers D. Homeopathic treatment of acute otitis media in children: a preliminary randomized placebo-controlled trial. *Pediatr Infect Dis J* 2001; **20**: 177–83.
- 22 Zell J, Connert WD, Mau J, Feuerstake G. Treatment of acute sprains of the ankle. Controlled double-blind trial to test the effectiveness of a homeopathic ointment. *Fortschr Med* 1988; **106**: 96–100.
- 23 Diefenbach M, Schilken J, Steiner G, Becker HJ. Homeopathic therapy in respiratory tract diseases. Evaluation of a clinical study in 258 patients. *Z Allgemeinmed* 1997; **73**: 308–14.
- 24 Weatherley-Jones E, Nicholl JP, Thomas KJ, et al. A randomized, controlled, triple-blind trial of the efficacy of homeopathic treatment for chronic fatigue syndrome. *J Psychosom Res* 2004; **56**: 189–97.
- 25 Yakir M, Kreittler S, Brzezinski A, et al. Effects of homeopathic treatment in women with premenstrual syndrome: a pilot study. *Br Homeopath J* 2001; **90**: 148–53.
- 26 Witt C, Keil T, Selim D, et al. Outcome and costs of homeopathic and conventional treatment strategies: a comparative cohort study in patients with chronic disorders. *Complement Ther Med* 2005; **13**: 79–86.
- 27 Witt CM, Lüdtker R, Baur R, Willich SN. Homeopathic medical practice: long-term results of a cohort study with 3,981 patients. *BMC Public Health* 2005; **5**: 115.
- 28 Trichard M, Chafferin G, Nicoloyannis N. Pharmacoeconomic comparison between homeopathic and antibiotic treatment strategies in recurrent acute rhinopharyngitis in children. *Homeopathy* 2005; **94**: 3–9.
- 29 Spence D, Thompson E, Barron S. Homeopathic treatment for chronic disease: a 6-year university hospital based outpatient observational study. *J Altern Complement Med* 2005; **5**: 793–8.
- 30 Sharples F, van Haselen R, Fisher P. NHS patients' perspective on complementary medicine. *Complement Ther Med* 2003; **11**: 243–8.
- 31 Rey L. Thermoluminescence of ultra-high dilutions of lithium chloride and sodium chloride. *Physica (A)* 2003; **323**: 67–74.
- 32 Bell IR, Lewis DA, Brooks AJ, et al. Gas discharge visualisation evaluation of ultramolecular doses of homeopathic medicines under blinded, controlled conditions. *J Altern Complement Med* 2003; **9**: 25–38.
- 33 Elia V, Niccoli M. Thermodynamics of extremely diluted aqueous solutions. *Ann N Y Acad Sci* 1999; **879**: 241–8.
- 34 Linde K, Jonas WB, Melchart D, et al. Critical review and meta-analysis of serial agitated dilutions in experimental toxicology. *Hum Exp Toxicol* 1994; **13**: 481–92.
- 35 Belon P, Cumps J, Ennis M, et al. Histamine dilutions modulate basophil activation. *Inflamm Res* 2004; **53**: 181–8.
- 36 Zausner C, Lassnig H, Endler PC, et al. Influence of a homeopathically prepared thyroxine dilution on the metamorphosis of highland frogs – results of a multicenter controlled trial. *Perfusion (Nürnberg)* 2002; **17**: 268–76.