



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.¹⁻⁴ Based on a smaller selection of trials, a fifth review came to a negative conclusion about homeopathy.⁵
- Positive conclusions have been reported in 10 of 33 reviews of RCTs in specific categories of medical condition (the other 23 are largely inconclusive):
 - allergies and upper respiratory tract infections^{6,7}
 - childhood diarrhoea⁸
 - post-operative ileus⁹
 - rheumatic diseases¹⁰
 - seasonal allergic rhinitis¹¹⁻¹³
 - vertigo.¹⁴

RCTs of homeopathy – the original data

- Up to the end of 2013, the peer-reviewed literature included 188 RCT papers, of which 181 have data that can be used for analysis: 82 positive; 10 negative; 89 not statistically conclusive. In addition to the conditions above, there is a positive balance of evidence in the following, for example:
 - fibromyalgia¹⁵⁻¹⁷
 - insomnia¹⁸⁻²⁰
 - sinusitis.^{21,22}
- There is evidence from singleton RCTs in favour of homeopathy for a number of other conditions including: bronchitis,²³ chronic fatigue,²⁴ premenstrual syndrome,²⁵ varicose veins.²⁶

Cost effectiveness of homeopathy

- Integration of homeopathy with conventional treatment is associated with better clinical outcomes for similar or lower costs.²⁷⁻²⁹

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.³⁰
- Many patients attending the Royal London Homoeopathic Hospital were able to reduce or stop conventional medication following homeopathic treatment.³¹

Basic Science

- Laboratory research has obtained evidence that water may retain information about homeopathically-prepared solutes.³²⁻³⁴
- Additional laboratory studies have shown that homeopathic dilutions can exert biological effects.^{e.g. 35-37}

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. Bellavite P, Ortolani R, Pontarollo F, et al. Immunology and homeopathy. 4. Clinical studies – Part 1. Evidence-based Complementary and Alternative Medicine; eCAM, 2006; **3**: 293-301
8. 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.
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, Lütcke 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. Relton C, Smith C, Raw J, et al. Healthcare provided by a homeopath as an adjunct to usual care for fibromyalgia (FMS): results of a pilot randomised controlled trial. *Homeopathy* 2009; **98**: 77–82.
18. Carlini EA, Braz S, Troncone LRP, et al. Hypnotic effect of homeopathic medication and placebo. Evaluation by 'double-blind' and 'crossover' techniques. *Revista Assoc Méd Brasil* 1987; **33**: 83–88.
19. Kólia-Adam N, Solomon E, Bond J, Deroukakis M. The efficacy of Coffea cruda on insomnia: a double blind trial. *Simillimum* 2008; **21**: 91–99.
20. Naudé DF, Couchman IMS, Maharaj A (2010). Chronic primary insomnia: efficacy of homeopathic simillimum. *Homeopathy* **99**: 63–68.
21. 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* 2007; **55**: 271–7.
22. Zabolotnyi DI, Kneis KC, Richardson A, et al. Efficacy of a complex homeopathic medication (Sinfrontal) in patients with acute maxillary sinusitis: a prospective, randomized, double-blind, placebo-controlled, multicenter clinical trial. *Explore (NY)* 2007; **3**: 98–109.
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, Kreitler 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. Ernst E, Saradeth T, Resch KL. Complementary therapy of varicose veins – a randomized, placebo-controlled, double-blind trial. *Phlebology* 1990; **5**: 157–163.
27. 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.
28. Witt CM, Lütcke 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.
29. Trichard M, Chaufferin G, Nicoloyannis N. Pharmacoeconomic comparison between homeopathic and antibiotic treatment strategies in recurrent acute rhinopharyngitis in children. *Homeopathy* 2005; **94**: 3–9.
30. 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.
31. Sharples F, van Haselen R, Fisher P. NHS patients' perspective on complementary medicine. *Complement Ther Med* 2003; **11**: 243–8.
32. Rey L. Thermoluminescence of ultra-high dilutions of lithium chloride and sodium chloride. *Physica (A)* 2003; **323**: 67–74.
33. 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.
34. Elia V, Niccoli M. Thermodynamics of extremely diluted aqueous solutions. *Ann N Y Acad Sci* 1999; **879**: 241–8.
35. 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.
36. Belon P, Cumps J, Ennis M, et al. Histamine dilutions modulate basophil activation. *Inflamm Res* 2004; **53**: 181–8.
37. Witt CM, Bluth M, Albrecht H, et al. The in vitro evidence for an effect of high homeopathic potencies – A systematic review of the literature. *Complement Ther Med* 2007; **15**: 128–38.