

Why
Homeopathy
Matters In America

Compendium
of Homeopathic Research



Americans for Homeopathy Choice
homeopathychoice.org

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Why Homeopathy Matters in America:

Compendium of Homeopathic Research

Edited by
Americans for Homeopathy Choice

This compendium was compiled for and presented to the US Food and Drug Administration as part of its consideration of the Americans for Homeopathy Choice citizens petition on homeopathy.

HomeopathyChoice.org/Research

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Compendium of Homeopathic Research

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Introduction

When properly manufactured and applied, homeopathic medicine plays an important role in the treatment of patients with both major and minor health problems. Homeopathy is inexpensive, effective, and inherently safe. When utilized according to well established principles, homeopathy can be used alongside conventional medical practices, to deliver a more clinically and cost-effective result. For example, homeopathy helps avoid antibiotic overuse in many infectious conditions, reserving these valuable medicines for the times when they are critically necessary. Homeopathy effectively treats painful conditions and reduces the need for opioid and nonsteroidal pain medicines, reducing exposure to these agents, along with their costly and dangerous side effects. Among its many other benefits, homeopathy helps reduce the need for polypharmacy since one single homeopathic prescription frequently addresses a multitude of medical concerns in a single individual.

The positive results that have been achieved through homeopathic treatment have been documented in a worldwide database over the last two centuries. It is no wonder that homeopathy has been fully integrated into the National Health Services of many nations and is the second most commonly used form of medicine worldwide. Homeopathy is a well-developed system of individualized medicine that has been both scientifically evidence based and clinically verified.

This compendium of research serves as a primer of evidence suggesting the importance of fully integrating homeopathic

medicine into the infrastructure of the U.S. Healthcare System.

Homeopathy meets the standards of methodologies that have been scientifically researched and have clinically demonstrated evidence of both safety and effectiveness.

Acknowledgment

Acknowledgement Americans for Homeopathy Choice is deeply indebted to the many writers/researchers who participated in and continue to participate in this important project. Many thanks for your collaboration and work.

Dedication

This compendium is dedicated to the memory of Peter Fisher, MD (1950-2018), a staunch advocate, researcher and homeopath, former physician to Her Majesty, Queen Elizabeth II. The world homeopathic community is deeply indebted to the selfless dedication and life work of this noble man.

About

About Americans for Homeopathy Choice is a non-partisan national nonprofit made up of mostly mothers, women, and other consumers whose mission is to:

- support the rights of the 6 million (and growing) Americans who use homeopathy,
- protect the practices of homeopaths, naturopaths and others who use homeopathic remedies to treat their clients,
- and protect homeopathic pharmacies which manufacture and distribute remedies.

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Abstract of the Chapters in this Compendium

In an effort to provide a brief overview of each chapter in this compendium, the following abstracts are provided.

The full compendium may be accessed at HomeopathyChoice.org

Why Homeopathy Matters to U.S. Healthcare

The use of Homeopathy is geographically widespread worldwide, and is increasing in both demand and popularity. Both clinical and laboratory research, and syntheses of these studies, demonstrate that it is safe and effective over a wide range of clinical conditions. Integrating homeopathy into the U.S. healthcare system would be associated with many benefits, including improved outcomes, reduced need for conventional medications and polypharmacy, less antibiotic use, lower cost and enhanced safety.

Homeopathy Can Reduce the Need for Antibiotics in America

Overuse of antibiotics in healthcare and industrial farming is part of a worldwide crisis that has contributed to widespread antibiotic resistance and growing public health dangers. The trend of increased mortality from all infectious diseases is threatening to make the entire class of antibiotic medications obsolete. Homeopathy demonstrates efficacy, not only in reducing susceptibility to infection and its associated pain, but also in speeding recovery from acute infectious illness. This chapter analyses critical studies demonstrating how homeopathy effectively staves off the current crisis, provides greater utility and longevity to the current antibiotic stockpile, and improves the health of both humans and livestock.

Homeopathy for Opioid Addiction and Pain Management

Homeopathy is an integrative holistic modality that effectively addresses many of the underlying causes of both acute and chronic pain syndromes, frequently enabling the resolution of these conditions and the discontinuation of chronic pain management strategies. Treating painful syndromes with homeopathy provides an opportunity to resolve the

underlying causes of pain, thereby reducing or entirely eliminating the need for ongoing management. Homeopathy demonstrates benefit in the adjunctive management of opioid addictions and supports the safe withdrawal process. Public health benefits gained from utilizing homeopathy include superior efficacy, lower cost, greater safety and higher rates of patient satisfaction. The state of the art of research in this field is reviewed along with recommendations for further study.

Homeopathy's Role in Addressing Healthcare Costs

Healthcare costs in the U.S. continue to rise unsustainably while indices of quality outcomes simultaneously decline. Healthcare in the U.S. currently ranks lower than most other developed nations and shows no sign of improving despite the highest per-capita expenditures of any nation on earth. Homeopathy offers a unique, efficacious, safe and cost-effective alternative medical modality capable of providing superior outcomes at a fraction of the cost and risk of conventional medical care. Many European nations have studied homeopathy in great detail and have concluded that its benefits warrant incorporation into their national healthcare programs. This chapter examines costs and recommends that homeopathy be adopted into the U.S. public healthcare system.



The Use of Homeopathy in European Hospitals

Homeopathy is an important medical modality that is currently utilized in a large number of European hospitals, including Germany, France, Austria, Switzerland, Sweden, Italy, Spain and the U.K. Homeopathy is actively integrated alongside conventional allopathic medical care and practiced by physicians in 40 out of 42 European nations. Additionally, homeopathy is utilized in hundreds of hospitals in south Asia and India, where it has been integrated into the National Health Service and is supported by the national government.

Homeopathy's Role in Addressing the Over-Medication Epidemic

The U.S. suffers from epidemic levels of polypharmacy and medication overuse. Homeopathy offers an unique holistic alternative methodology capable of reducing reliance on a wide range of medicines, while simultaneously managing the effective treatment of underlying disease conditions. Since homeopathy is characterized by the use of small doses, infrequently administered, it complements and augments conventional medical management and helps reduce polypharmacy. Reliable research demonstrates that homeopathy is a viable, effective form of medical therapy that provides significant promise helping reduce the overuse of conventional medicines along with their risks and side effects.

Homeopathy and Ophthalmology

One of the more challenging problems in the management of ophthalmologic disease in the U.S. is the myriad of side effects associated with the use of conventional medications. Homeopathic treatment effectively treats many of these illnesses without inducing medication related side effects. Furthermore, it has been shown to simultaneously reduce the need for many conventional medications. These distinct advantages of using homeopathy in the treatment of both acute and chronic ophthalmic conditions demonstrates its utility as well as the need for further research in this field.

Homeopathy and Women's Health

The status of women's health in the United States leaves much to be desired. Research in homeopathy pertaining to women's health is incomplete due to scientific disparagement and

substantial barriers to equitable funding, yet the available data offers useful insight into potential steps forward that would significantly enhance the health and quality of life of women and their families across the U.S.

Homeopathy and Respiratory Illness

Respiratory illness is a common complaint in the modern world and is responsible for the diversion of significant medical resources in the U.S. Preliminary studies strongly suggest that homeopathy provides significant benefit in the treatment of a wide variety of these conditions, while helping to reduce both the duration and intensity of symptoms in those who suffer from these acute and chronic conditions. When used in conjunction with conventional medical care, in life-threatening conditions, including asthma and chronic obstructive pulmonary disease, homeopathy provides safe, reliable and effective results.

Why Veterinary Homeopathy Matters in Animal Health Care in the USA

Numerous studies attest to the value of homeopathy in the treatment of a wide range of clinical conditions in veterinary medicine. Clinical studies span the management of health conditions in both farm and domestic animals, both in large herds and in individual cases. Positive responses to homeopathic medicines under these circumstances strongly advocate against theories that the beneficial results of homeopathy are purely placebo effects. The use of homeopathy in veterinary medicine is on the forefront and cutting edge of environmentally sustainable, safe and efficient care that demonstrates clinical efficacy in both large and small animals. Homeopathy appears to be an important medical modality for every member of the animal kingdom, and by extension, it is equally important to the field of human health.

Homeopathy in Acute Care Medicine

The use of homeopathy in acute medical conditions is reviewed with respect to the available clinical evidence supporting it. Homeopathy is an effective, safe and

inexpensive methodology in the treatment of acute and emergent conditions that offers many distinct advantages when compared with conventional allopathic care. Not only is homeopathy already utilized in acute care medicine throughout many regions of the world, but substantial evidence demonstrates its efficacy in a wide range of conditions. Homeopathy compliments conventional methodologies, and reduces many of the risks associated with it. Homeopathic medical research suggests that the dedication of more funds to investigate this methodology is certainly warranted with respect to acute care medicine.

Homeopathy and Gastrointestinal Disorders

Homeopathic medicine demonstrates a powerfully beneficial effect both on the human microbiome and on the gastrointestinal tract which interact to impact the health of the entire body. Homeopathy appears to help balance and preserve ecological symbiosis, while reducing dysbiosis and the inflammatory changes that frequently develop after conventional medical management. Homeopathic clinical research demonstrates benefit over a wide array of functional and pathological conditions of the GI tract, though only a limited number of peer reviewed randomized controlled studies are available. Many case studies in the worldwide literature database demonstrate the feasibility, validity, and potential benefits of homeopathy in gastrointestinal pathology. Much more clinical research in this field is clearly indicated.

Epidemic Infectious Diseases, Public Health and Homeopathy

A vast trove of medical and scientific literature pertaining to the use of homeopathy in the treatment of epidemic infectious disease reveals that it is associated with reduced mortality rates that are consistently better than those obtained by conventional allopathic medical care, both historically and in modern times, despite the advantages provided by modern hospital support and advanced nursing care. Homeopathy demonstrates benefit prophylactically by protecting large segments of the population, and simultaneously improves therapeutic outcome during epidemics in a safe, effective and inexpensive manner that fails to be explained by the placebo effect.

Safety of Homeopathy

Investigations into the safety of homeopathy include randomized controlled trials, observational studies, experimental studies, case reports, systematic reviews, worldwide literature searches, consultation with regulating authorities, and conversations with homeopathic practitioners. These studies uniformly and consistently demonstrate that homeopathic treatment is an extremely safe and effective form of medicine. Adverse events, and “aggravations” from homeopathic treatment have consistently been noted as only “mild and transient,” occurring slightly more frequently than those resulting from placebo treatment. Overall, homeopathy has an excellent safety record and demonstrates many advantages when compared with conventional allopathic treatment.

Homeopathy in Mental Health and Psychiatry

Homeopathy is currently experiencing a resurgence among mental health clinicians and patients worldwide, in part because of the wide breadth of its many positive effects spanning the psychosomatic continuum. Current evidence strongly suggests benefits over a wide range of conditions across the field of mental health. It is a safe, viable and cost-effective form of medicine, but much more research is certainly warranted. There are compelling reasons to support the allocation of funds to promote homeopathic research.

Homeopathy Use in Cardiovascular Conditions

Cardiovascular disease is the leading cause of mortality in the U.S. and emerging research demonstrates the importance of incorporating homeopathy into an integrative holistic approach to treatment. The worldwide database of homeopathic research is limited, but the available studies suggest that it has overwhelmingly positive results in these conditions. Homeopathy is already utilized by many practitioners throughout the world who have successfully treated a wide range of common cardiac ailments in the ambulatory care setting, the hospital and the intensive care unit. The use of homeopathy reduces the incidence of adverse drug effects frequently associated with many conventional medications, improves clinical outcome and simultaneously lowers the cost of treating cardiovascular disease.

Homeopathy and Allergies

Clinical trials of homeopathic methodologies demonstrate dramatic “real world” benefits over a wide range of allergic conditions, without the common side effects and other long-term negative health risks associated with conventional therapies. Clinical research confirms that homeopathic medicines are different from placebo, and laboratory investigations demonstrate that biologically active material is present in high dilutions of these unique medicines. Further research funding and infrastructure changes at all levels of public health, with respect to homeopathy, are warranted and should be encouraged to expand access to this two-century-old form of safe, natural, and effective medicine for allergies.

Homeopathic Certification for Health Practitioners in the USA: A Brief Overview

Homeopathy is a federally recognized form of medicine in the U.S. since the Food Drug and Cosmetic Act of 1938. The field of homeopathy boasts board certification of many licensed healthcare professionals, including medical doctors (MD), osteopaths (DO), naturopathic physicians (ND), nurses (RN), physician’s assistants (PA), dentists (DDS), veterinarians (DVM) as well as a large number of non-medically trained practitioners.

Homeopathy and Dentistry

The U.S. population is plagued by at least two major dental health-related challenges: periodontal (gum) disease, and the overuse of prescription opioid medications. As the dental profession struggles to find better and safer alternatives in the management of these and other challenges, the incidence of

these problems has continued to increase. Current research on the use of homeopathy for these conditions is reviewed and recommendations are made for its adoption as a safe and effective alternative to current management strategies.

Homeopathy and Chronic Illness

Homeopathy is a unique form of medicine that offers many distinct advantages in the treatment of chronic illness and rheumatological conditions. Homeopathy is both effective and safe, and could be used as a form of primary care medicine in these conditions. Many studies demonstrate homeopathy’s benefits, usefulness, and superior patient satisfaction ratings in both short and long-term analyses. Individually prescribed homeopathic medicine is not only superior to placebo, but it has been found to be more effective and better tolerated than many existing conventional modalities. Evidence suggests that homeopathic treatment lowers cost, provides greater safety, and reduces risk of exposure to more hazardous conventional medicines.

Homeopathy and Dermatology

Homeopathic medicine is a form of natural healing that supports the body's own innate healing mechanisms. Homeopathic medicine treats the whole person, including dermatological issues, as scientific research confirms. There have been a number of good clinical dermatological research studies published in recent years which support the successful treatment and prevention of skin diseases with homeopathic medicine. Evidence suggests that homeopathy is an effective modality for the treatment of a wide diversity of dermatologic conditions including hyperhidrosis, contact dermatitis, vitiligo, eczema and atopic dermatitis, psoriasis and pruritus. Relevant human and animal studies are reviewed.



Why *Homeopathy Matters to* United States *Healthcare*

Peter Fisher, MD

Homeopathy is a 200-year-old system of medicine, used by nearly 250 thousand physicians and over 500 million people worldwide¹- making it one of the most popular forms of integrative medicine. It is based on the concept of “treating like with like” (in Latin *similia similibus curentur*), homeopathy stimulates and directs the body’s self-healing mechanisms, or homeostasis.

Scientific skepticism toward homeopathy often arises from its use of highly dilute medicines, and there is a substantial body of research on this issue: a review of basic science research on highly dilute homeopathic medicines found 98 replicated experiments, with over 70% positive. Methods used to prepare homeopathic medicines are remarkably like cutting-edge nanotechnology and there is growing evidence that nanoparticles play a crucial role in the action of homeopathy.

Why does homeopathy matter to America?

Data from the federal National Health Interview Survey analyzed by a team at Harvard University show that around 7 million Americans use homeopathy, with steady growth. Users tend to be female, highly educated and pursue healthy lifestyles. They use it primarily for upper respiratory and ear problems and consider it more effective than nutritional supplements². The demographics of users in France and Germany are similar although use is more widespread in those countries.³

Polypharmacy (the use of multiple drugs), particularly in the elderly is a major challenge to modern physicians. Opiate analgesics (painkillers), psychotropic drugs (including

² Lert F, Grimaldi-Bensouda L, Rouillion F et al. Characteristics of patients consulting their regular primary care physician according to their prescribing preferences for homeopathy and complementary medicine. *Homeopathy* (2014); 103: 51-57 <https://ncbi.nlm.nih.gov/pubmed/24439455>

³ Lert F, Grimaldi-Bensouda L, Rouillion F et al. Characteristics of patients consulting their regular primary care physician according to their prescribing preferences for homeopathy and complementary medicine. *Homeopathy* (2014); 103: 51-57 <https://ncbi.nlm.nih.gov/pubmed/24439455>

¹ Bell IR Schwartz GE. Adaptive network nanomedicine: an integrated model for homeopathic medicine. *Frontiers in Bioscience (Scholar Ed.)* 2013;5(2):685-708.

tranquilizers, antidepressants, and sleeping tablets) and antibiotics are widely overused, (the overuse of antibiotics has caused a massive global crisis of antimicrobial resistance) and there is strong research evidence suggesting that the integration of homeopathy into medical practice would reduce the need for many of these hazardous drugs.

Homeopathic Research

The research literature offers preclinical and clinical evidence in support of the effectiveness of homeopathic medicines in treating individuals with a wide range of common conditions. Homeopathy shows historical, observational, and randomized clinical trial evidence of good outcomes, greater safety, patient acceptance, accessibility, and cost savings. Homeopathy is often used “to treat the patient, not the disease”; strengthening host defenses and resilience rather than killing microbes or blocking pathophysiological processes.



Comparative Effectiveness Research

Comparative effectiveness research examines the results of treatments in real-world situations, as opposed to the artificial conditions often imposed in randomized controlled trials. It compares outcomes in groups of patients (known as cohorts) receiving different treatments. There are several such studies of homeopathy, comparing outcomes in various groups of patients attending conventional family physicians, and family physicians who integrate homeopathy in their practice, including those below.

A multinational comparative effectiveness study led by American physician Dr. David Riley involved 30 doctors, at six clinical sites in four countries, treating patients with acute

respiratory problems. Response at 14 days was 82.6% for homeopathy compared to 68% for conventional treatment. The rate of adverse events for conventional treatment was 22.3%, versus 7.8% for homeopathy. A replication of this study included 1,577 patients, of whom 857 received homeopathic and 720 conventional treatment: improvement was significantly faster with homeopathy.^{4,5}

Trichard et al compared ‘homeopathic strategy’ against ‘antibiotic strategy’ in routine medical practice in the management of recurrent acute rhino-pharyngitis in 499 children aged between 18 months and 4 years^{6,7}. Family physicians using homeopathy had significantly better results in terms of clinical effectiveness, complications, parents’ quality of life and time lost from work, for lower cost to social security.

Witt. Et al. compared homeopathic and conventional family physician's outcomes in chronic diagnoses commonly treated in general practice (adults — headache, low back pain, depression, insomnia, sinusitis; children — atopic asthma, dermatitis, rhinitis)^{8,9}. 493 patients were treated by 101 homeopathic and 59 conventional family physicians. The patients treated by the two groups of physicians were generally similar.

The conclusion was that patients who sought homeopathic treatment had better outcomes at similar cost.

The largest comparative effectiveness study of homeopathy published to date is the EPI3 study. A nationwide study in France, coordinated by the Department of Pharmacoepidemiology at the University of Bordeaux, included 6,379 patients from 804 medical practices. It compared treatment outcomes for patients attending conventional, homeopathic, and mixed practice family physicians in musculoskeletal conditions, upper respiratory

⁴ Riley D, Fischer M, Singh B, et al. (2001). Homeopathy and Conventional Medicine An Outcomes Study Comparing Effectiveness in a Primary Care Setting. *Journal of Alternative and Complementary Medicine*, 7:149-159.

⁵ Haidvogel M, Riley D, Heger M et al. Homeopathic and conventional treatment for acute respiratory and ear complaints: A comparative study on outcome in the primary care setting *BMC Complement Altern Med*. 2007; 7: 7 doi:

⁶ Trichard M, Chafferin G, Nicoloyannis N (2005). Pharmacoeconomic comparison between homeopathic and antibiotic treatment strategies in recurrent acute rhinopharyngitis in children. *Homeopathy*, 94: 3-9.

⁷ Trichard M, Chafferin G (2004). Effectiveness, quality of life, and cost of caring for children in France with recurrent acute rhinopharyngitis managed by homeopathic or non-homeopathic General Practitioners. *Disease Management and Health Outcomes*, 12:419-427.

⁸ Witt C, Keil I, Selim I, et al. (2005). Outcome and costs of homeopathic and conventional treatment strategies: a comparative cohort study in patients with chronic disorders. *Complementary Therapies in Medicine*, 13:19-86.

⁹ Witt CM, Ludtke R, Baur R, Willich S (2005). Homeopathic medical practice: long-term results of a cohort study with 3,981 patients. *MC Public Health*, 5:115.

tract infection, sleep disorders, anxiety, and depression in terms of clinical benefit, medical care and medication, adverse effects, and loss of therapeutic opportunity. Patients did not differ between groups except for the chronicity of their illness, which was greater in the homeopathic group. The authors concluded that patients treated by homeopathic physicians showed a similar clinical progression but took about half the amount of non-steroidal anti-inflammatory drugs (NSAIDs) compared to conventionally-treated patients, with fewer NSAID-related adverse events and no loss of therapeutic opportunity.¹⁰

Another study in the EPI3 series yielded an analogous result, showing that patients who consult family physicians certified in homeopathy used significantly less antibiotics and antipyretic/anti-inflammatory drugs for upper respiratory tract infections than those who attended family physicians who prescribe only conventional medications, with similar outcomes. This finding is of considerable public health importance since antimicrobial resistance is now a major global problem. One of its main causes is overuse of antibiotics for upper respiratory tract infections.¹¹

Cost-effectiveness

Economic analysis of EPI3 data looked at three types of cost: consultation, prescription and total costs. Overall health expenditure was 20% less for patients consulting homeopathic family physicians in France compared to conventional family physicians (\$78.70 US vs. \$98.91 US). The lower cost of medical prescriptions for homeopathic family physicians was partially offset by higher consultation costs. Homeopathic physicians prescribed far fewer potentially hazardous drugs including psychotropic, antibiotics and non-steroidal anti-inflammatory drugs.¹²

In all comparative effectiveness studies of homeopathy, its integration into health care resulted in better outcomes for patients with improved safety. Those that included cost-effectiveness analysis showed no additional cost or reduced costs.

¹⁰ Rossignol M, Begaud B, Engel P, et al. Impact of physician preferences for homeopathic or conventional medicines on patients with musculoskeletal disorders: results from the EPI3-MSD Cohort. *Pharmacoepidemiol. Drug Saf.* 2012; 21:1093-101

¹¹ Grimaldi-Bensouda L, Begaud B, Rossignol M, Avouac B, Lert F, et al. (2014) Management Of Upper Respiratory Tract Infections by Different Medical Practices, including Homeopathy, and Consumption Of Antibiotics in Primary Care: The EPI3 Cohort Study in France 2007-2008. *PLoS ONE* 9(3): e89990. doi:10.1371/journal.Pone.0089990

¹² Colas A, Danny K, Taber C, Ehreth 1, Duru G. Economic Impact Of Homeopathic Practice in General Medicine In France. *Health Economics Review* (2015) 5:18. DOI 10.1186/s13561_015_0055-5

Safety of homeopathy

Physician and consumer confidence in the safety of homeopathy is justified. There is no evidence that homeopathic medicines cause serious or long-lasting harm. A systematic

review of the safety of homeopathy, which included a comprehensive search of the English-language literature and enquiries with regulatory authorities, including FDA, concluded: "Homeopathic medicines may provoke adverse effects, but these are generally mild and transient; there are cases of 'mistaken identity' where herbal medicines were [erroneously] described as homeopathic. The main risks associated with homeopathy are indirect, relating to the prescriber rather than the medicine."¹³

Basic research: biological models

There is a substantial body of research in homeopathy using animal models, human cells, plants, and other organisms. Of these studies, 89% reported at least one positive result. Animals were the most often used model system (371), followed by plants (201), human material (92), bacteria and viruses (37), and fungi (32)¹⁴. One of the hallmarks of high quality science is replication. A recent review of biochemical, immunological, botanical, cell biological and zoological experiments on homeopathic dilutions found 98 replicated experiments with over 70% positive.¹⁵

Basic research: physical and chemical methods

Homeopathic medicines are made from plants, animals (or parts of animals) and other substances serially diluted and vigorously agitated during the manufacturing process. Twelve independent research laboratories in the U.S., France, Italy, Russia, and India have now found that homeopathic medicines studied contain various nanostructures, including source, silica, and gas nanobubbles heterogeneously dispersed in colloidal solution. This work suggests that homeopathic medicines, like modern engineered nanoparticles, act by modulating the allostatic stress response network (allostasis is

¹³ Dante. F Rampes H (2000). Do homeopathic medicines provoke adverse effects?* systematic review. *Homeopath J.* 89:335-38.

¹⁴ Clausen J, van Wijk R, it, Albrecht H. Review of the use of high potencies in basic research on homeopathy. *Homeopathy* (2011)100, 208-202.

¹⁵ Endler PC, Bellavite P, E Bonamin L, Jager T, Mazon S. Replications of fundamental research models in ultra-high dilutions 1994 and 2015. *Homeopathy* (2011):100; 288-292.

the process of restoring a stable internal environment), including cytokines, oxidative stress and heat shock proteins.^{16, 17, 18, 19, 20}

Clinical trials of homeopathy

There are at least 1,137 clinical trials of homeopathy. Additionally, four systematic reviews/meta-analyses of homeopathy for all conditions have been published.^{21, 22, 23} Of these, three reached a positive conclusion: that there is good evidence that homeopathy is clinically effective.

The exception is the review by Shang et al.⁴⁶ This meta-analysis was controversial, particularly because its conclusions were based on only eight clinical trials whose identity was not disclosed until several months after the publication of the paper, precluding informed examination of its results. The only undisputed conclusion of this paper is that clinical trials of homeopathy are of higher quality than matched trials of conventional medicine: of 110 clinical trials, each of homeopathy and conventional medicine, 21 trials of homeopathy but only 9 trials of conventional medicine were of higher quality.^{24, 25}

A leading Swedish medical researcher remarked: “To conclude that homeopathy lacks clinical effect, more than 90% of the available clinical trials had to be disregarded. Alternatively, flawed statistical methods had to be applied.”²⁶ Higher quality equates to less risk of bias. Mathie et al analyzed randomized

clinical trials of individualized homeopathy, showing that the highest quality trials yielded positive results.²⁷

Conclusion

Homeopathy is geographically widespread and increasing in popularity. Clinical research and syntheses of such research show it to be safe and effective for a range of conditions. Integrating homeopathy in health care systems is associated with benefits including improved outcomes, less use of drugs including antibiotics, and cost benefits

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About AIH: The American Institute of Homeopathy is America's oldest medical society. To learn more visit: www.homeopathyusa.org

¹⁶ Bhattacharyya SS, Mandal SK, Biswas R, Paul S, Pathak S, Boujedaini N, Belon P, Khuda-Bukhs AR: In vitro studies demonstrate anticancer activity of an alkaloid of the plant *Gelsemium sempervirens*.

¹⁷ Upadhyay RP, Nayak C: Homeopathy emerging as nanomedicine. *International Journal of High Dilution Research* 2011, 10(37):299-310.

¹⁸ Ives JA, Moffett JR, Arun P, Lam D, Todorov TI, Brothers AB, Anick DJ, Centeno J, Namboodiri MA, Jonas WB: Enzyme stabilization by glass-derived silicates in glass-exposed aqueous solutions. *Homeopathy* 2010, 99(1):15-24

¹⁹ Karatsoreos IN, McEwen BS: Psychobiological allostasis: resistance, resilience and vulnerability. *Trends Cogn Sci* 2011, 15(12):576-584.

²⁰ McEwen BS: Central effects of stress hormones in health and disease: Understanding the protective and damaging effects of stress and stress mediators. *Eur J Pharmacol* 2008, 583(2-3):174-185.

²¹ Kleijnen J, Knipschild P, ter Riet G (1991). Clinical trials of homeopathy *British Medical Journal*, 302:316-323.

²² Linde K, Clausius N, Ramirez G et al. Are the clinical effects of homeopathy placebo effects? *Lancet* 2005; 366:2081-2082.

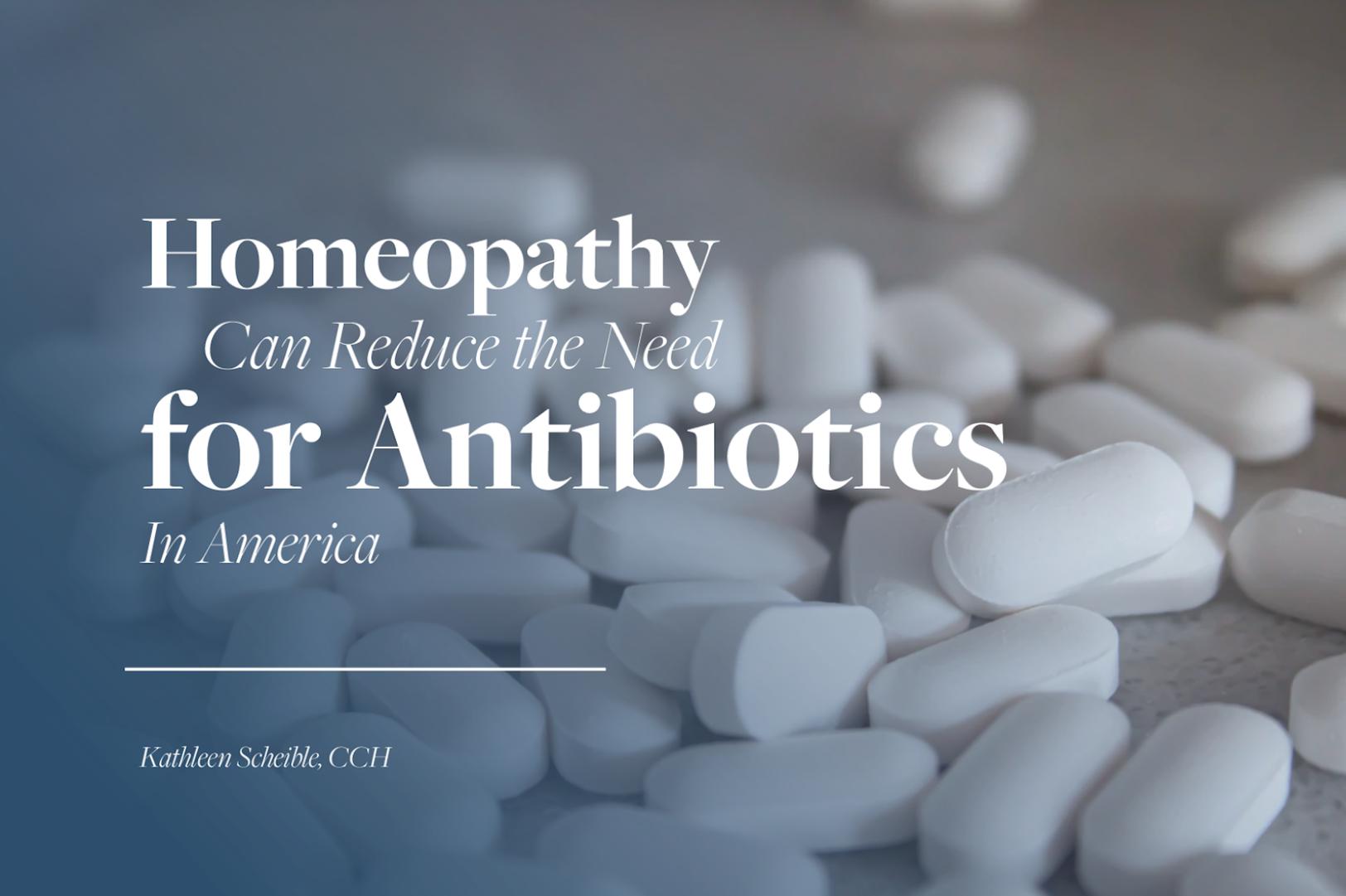
²³ Shang A, Huwiler-Muntener K, Nartey L, et al. (2005). Are the clinical effects of homeopathy placebo effects? Comparative study of placebo-controlled trials of homeopathy and allopathy. *Lancet*, 366:726-732.

²⁴ Fisher P, Berman B, Davidson I, Reilly O, Thompson T et al. Meta-analysis of homeopathy. *Lancet* 2005; 366:2083-4.

²⁵ Ludtke R, Rutten AL. The conclusions on the effectiveness of homeopathy highly depend on the set of analyzed trials. *J Clin Epidemiol* 2008; 61:1197-1204.

²⁶ Hahn RG. Homeopathy: Meta-Analyses of Pooled Clinical Data. *Forsch Komplementmed* 2013;20:376-381.

²⁷ Mathie RT, Lloyd SM, Legg IA, et al. Randomised placebo-controlled trials of individualised homeopathic treatment: systematic review and meta-analysis. *Syst Rev* 2014;3:142.



Homeopathy *Can Reduce the Need* for Antibiotics *In America*

Kathleen Scheible, CCH

Overuse of antibiotics in healthcare and industrial farming practices have led to widespread resistance of infectious bacteria to antibiotic treatment. This has in turn led to increasing mortality due to infection.²⁸ Although this is a global crisis, highly industrialized nations have led the world in the overuse of these crucial medicines. To address this growing problem it is critical that we reserve their use in livestock for infection rather than for artificial growth, and stop using antibiotics as pesticides. In addition, in health care we can devise and implement a new integrative medicine approach to reduce reliance on antibiotics for less threatening infections. Homeopathy is an important part of this approach, as it is in Switzerland, France, and many other countries around the world. Homeopathy can be integrated into the landscape of medical options as a means of reducing susceptibility to infection, reducing severity of pain and other

symptoms during infection, and recovering faster from infection.^{29, 30}

Consequences of antibiotics overuse to individual health

While antibiotic resistant life-threatening infections are a primary driver for addressing this crisis, overuse of antibiotics also has a negative impact on long-term individual health quality. We are just starting to recognize the myriad unintended consequences of the vast amounts of antibiotics in our food supply, including recent discovery of drug-resistant E. Coli in retail chicken breasts potentially being a contributing factor to chronic urinary tract infections in humans.³¹ Human overuse of antibiotics leads to the

²⁹ Bornhofs, G., & Matthiessen, P. (2012). Homeopathy in Healthcare. Dordrecht: Springer. <https://doi.org/10.1007/978-3-642-20638-2>

³⁰ Colas, Aurelie, Danno, Karine, Taber, Cynthia, Ehreth, Jenifer, & Duru, Gerard. (2015). Economic impact of homeopathic practice in general medicine in France. (BioMed Central Ltd.) BioMed Central Ltd. <https://doi.org/10.1186/s13561-015-0055>

³¹ Johnson JR, Porter SB, Johnston B, et al. Extraintestinal Pathogenic and Antimicrobial-Resistant Escherichia coli, Including Sequence Type 131 (ST131),

²⁸ Ventola CL. The Antibiotic Resistance Crisis: Part 1: Causes and Threats. Pharmacy and Therapeutics. 2015;40(4):277-283. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4378521>

destruction of the gut microbiome, leading to a host of chronic conditions.



Minimum dose concept in homeopathy

The concept of "less is more" in homeopathic medicine is two-fold. Homeopathic medicines are a subset of ultra-high dilutions. Homeopathic medicines are manufactured in a specific way and chosen to stimulate the body's own healing response.³² In homeopathic treatment, the frequency of taking a dose of a homeopathic medicine is minimized, allowing the body's healing response to be as efficient as possible. When practitioners individually match the homeopathic medicine to the person based on the Law of Similars (as homeopathy was developed), we see the best results. "Minimum dose" is a key principle of homeopathy, and actually maximizes efficacy.

Scientific studies on homeopathy in reduction of antibiotics

There are many conditions for which homeopathy makes sense to integrate as an effective therapeutic intervention of lesser risk. With specific regard to reduction in antibiotics overuse, there is quite a bit of scientific validation that homeopathy can be as effective as or better than antibiotics in resolution of minor infections in humans and animals.

from Retail Chicken Breasts in the United States in 2013. Schaffner DW, ed. *Applied and Environmental Microbiology*. 2017;83(6):e02956-16. doi:10.1128/AEM.02956-16. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5335>

³² Bell IR, Schwartz GE. Adaptive network nanomedicine: an integrated model for homeopathic medicine. *Frontiers in Bioscience (Scholar Ed.)*. 2013;5(2):685-708. <https://www.ncbi.nlm.nih.gov/pubmed/23277079>

Otitis media

In addition to contributing to the crisis of antibiotic resistant microbes, antibiotics overuse has led to compromised immune systems in part because of microbiome disruption.³³ This can be particularly problematic for children, whose immune system and micro biomes are still developing.

A trial of 230 children showed that individually chosen homeopathic remedies resulted in rapid resolution of pain from otitis media in the majority of children within 12 hours.³⁴ The improvement from homeopathic treatment was 2.4 times faster than in children prescribed a placebo, utilizing data from an earlier meta-analysis for placebo time compared with conventional medical treatment. The cost of homeopathic medicine was 14% less than antibiotic treatment.

An earlier preliminary study of children with acute otitis media showed homeopathy compared to placebo resulted in fewer treatment failures over 5 days, 2 weeks, and 6 weeks, with differences of 11.4, 18.4, and 19.9%, respectively, but these differences were not statistically significant. Diary scores showed a significant decrease in symptoms at 24 and 64 hours after treatment in favor of homeopathy ($P < 0.05$).³⁵

Upper respiratory infection

One of the main causes for overuse of antibiotics is upper respiratory tract infections. A multinational comparative effectiveness study for acute respiratory problems resulted in 82.6% response for homeopathy compared to 68% for conventional treatment after 14 days. A replication of this study included 1,577 patients, of whom 857 received

³³ Koji Watanabe, Carol A. Gilchrist, Md Jashim Uddin, Stacey L Burgess, Mayuresh M. Abhyankar, Shannon N. Moonah, Zannatun Noor, Jeffrey R. Donowitz, Brittany N. Schneider, Tuhinur Arju, Emtiaz Ahmed, Mamun Kabir, Masud Alam, Rashidul Hague, Patcharin Pramoongjago, Borne Mehrad, William A. Petri. Microbiome-mediated neutrophil recruitment via CXCR2 and protection from amebic colitis. *PLOT Pathogens*. 2017; 13 (8): e01006513 <https://doi.org/10.1371/journal.ppat.1006513>

³⁴ Frei H, Thurneysen A. Homeopathy in acute otitis media in children: treatment effect or spontaneous resolution? *Br Homeop J*. 2001 Oct;90(4):180-2. PubMed PMID: 11680801. <https://doi.org/10.1054/homp.1999.0505>

³⁵ Jacobs I, Springer DA, Crothers D. Homeopathic treatment of acute otitis media in children: a preliminary randomized placebo-controlled trial. *Pediatr Infect Dis J* 2001; 20: 177-183. https://journals.lww.com/pidj/Abstract/2001/02000/Homeopathic_treatment_of_acute_otitis_media_in.12

homeopathic and 720 conventional treatment: improvement was significantly faster with homeopathy.^{36, 37}

A nationwide study in France, the EP 13 study, included 6,379 patients from 804 medical practices comparing treatment outcomes for patients attending conventional, homeopathic, and mixed practice family physicians. Chief complaints were musculoskeletal conditions, upper respiratory tract infection, sleep disorders, anxiety, and depression. Patients in the homeopathic group had longer times between recurrences of their chief complaint. Patients who consulted family physicians certified in homeopathy used significantly less antibiotics (and antipyretic/anti-inflammatory drugs) for upper respiratory tract infections than those who attended conventional physicians with similar outcomes.³⁸

Sinusitis and rhinitis

A double-blind placebo controlled study of a homeopathic combination formula in the treatment of acute rhinosinusitis. In the homeopathy patients, a reduction in sinusitis symptoms after 7 days (0 – 20 scale) from 12.1 +/- 1.6 to 5.9 +/- 2.0 points after 7 days. In the placebo group it decreased from 11.7 +/- 1.6 to 11.0 +/- 2.9 points ($p < 0.0001$) Over the 21 day study, the homeopathic group had freedom from sinus symptoms in 90.3% of the patients, and reduction in another 8.3%. The placebo group over the same time had symptoms remaining unchanged or worse for 88.9% of patients.³⁹ Another study, a prospective, randomized, double-blind, placebo-controlled, multicenter phase III clinical trial of the same combination formula was conducted over 22 days with an 8 week post-treatment observational phase. The homeopathic formula caused a significant reduction in the Sinus Severity Score compared with placebo on day 7 (5.8 +/- 2.3 [6.0] points vs. 2.3 +/- 1.8 [2.0] points; $P < .0001$). On day 21, 39 (68.4%) patients on homeopathic medication had a

complete remission of symptoms compared with five (8.9%) placebo patients.⁴⁰

In an uncontrolled clinical trial of 119 patients suffering from clinical signs of acute sinusitis were treated using a homeopathic combination formula. Typical sinusitis symptoms, such as headache, pressure pain, and cough, were reduced after a mean of 4.1 days of treatment. Ninety-nine received only a homeopathic medication, 20 patients were able to discontinue concomitant medication at the first visit, and only one patient needed antibiotics. Average duration of treatment was 2 weeks. At the end of treatment 81.5 % described themselves as symptom-free or significantly improved.⁴¹

A multi-centric observational study of 628 patients suffering from chronic sinusitis (CS) was conducted in India at its Institutes and Units of the Central Council for Research in Homoeopathy using individualized homeopathic remedies (selected from a pre-selected 17). There was a statistically significant reduction in Chronic Sinusitis Assessment Score (CSAS) ($P = 0.0001$) after 3 and 6 months of treatment, as well as improvement in radiological scan.⁴²

Another comparison of homeopathic and conventional family physician's outcomes in chronic health issues including sinusitis, headache, low back pain, depression, insomnia, atopic dermatitis and rhinitis found that patients who sought homeopathic treatment had better outcomes at similar cost to conventional care.^{43, 44}

³⁶ Riley D, Fischer M, Singh B, et al. (2001). Homeopathy and Conventional Medicine: An Outcomes Study Comparing Effectiveness in a Primary Care Setting. *Journal of Alternative and Complementary Medicine*, 7:149-159. <https://www.ncbi.nlm.nih.gov/pubmed/11327521>

³⁷ Haidvogel M, Riley D, Heger M et al. Homeopathic and conventional treatment for acute respiratory and ear complaints: A comparative study on outcome in the primary care setting *BMC Complement Altern Med*. 2007; 7: 7. <https://bmccomplementalternmed.biomedcentral.com/articles/10.1186/1472-6882-7-7>

³⁸ Grimaldi-Bensouda L, Begaud B, Rossignol M, Avouac B, Lert F, et al. (2014) Management of Upper Respiratory Tract Infections by Different Medical Practices, Including Homeopathy, and Consumption of Antibiotics in Primary Care: The EPI3 Cohort Study in France 2007-2008. *PLoS ONE* 9(3): e89990. <https://doi.org/10.1371/journal.pone.0089990>

³⁹ Friese, KH, & Zabolotnyi, D.I. *HNO* (2007) 55: 271. <https://doi.org/10.1007/s00106-006-1480-x>

⁴⁰ Zabolotnyi, D.I., Kneis, K.C., Richardson, A., Rettenberger, R., Heger, M., Kaszkin-Bettag, M., & Heger, P.W. (January 01, 2007). Efficacy of a Complex Homeopathic Medication (Sinfrontal) in Patients with Acute Maxillary Sinusitis: A Perspective, Randomized, Double Blind, Placebo-Controlled, Multicenter Clinical Trial. *Explore: the journal of Science and Healing*, 3, 2, 98-109. [https://www.explorejournal.com/article/S1550-8307\(06\)00563-5/fulltext](https://www.explorejournal.com/article/S1550-8307(06)00563-5/fulltext)

⁴¹ Adler M. Efficacy, safety of a fixed-combination homeopathic therapy for sinusitis. *Adv Ther* 1999; 16: 103-111. <https://www.ncbi.nlm.nih.gov/pubmed/10539378>

⁴² Nayak, C., Singh, V., Singh, V. P., Oberai, P., Roja V., Shitanshu, S. S., Sinha, M. N., ... Mathew, G. (April 01, 2012). Homeopathy in chronic sinusitis: a prospective multi-centric observational study. *Homeopathy*, 101, 2, 84-91. <https://www.thieme-connect.com/DOI/DOI?10.1016/j.homp.2012.02.002>

⁴³ Witt C, Keil T, Selim D, et al.(2005). Outcome and costs of homeopathic and conventional treatment strategies: a comparative cohort study in patients with chronic disorders. *Complementary Therapies in Medicine*, 13:79-86. <https://www.sciencedirect.com/science/article/pii/S0965229905000221?via%3Dihub>

⁴⁴ Bhattacharyya SS, Mandal SK, Biswas R, Paul S, Pathak S, Boujedaini N, Belon P, Khuda-Bukhsh AR: In vitro studies demonstrate anticancer activity of an alkaloid of the plant *Gelsemium sempervirens*.

Other kinds of Infection

Homeopathy can be useful in most kinds of infection. There are high quality trials confirming homeopathy can be utilized complementarity to lessen recurrent tonsillitis and to reduce the need for antibiotics for acute throat infections.⁴⁵

Integrating homeopathy with conventional care under University of Vienna hospital physician supervision was shown to greatly improve survival rates of severe sepsis compared to placebo.^{46, 47} For most of the clinical trials conducted, homeopathic medicines show promise in reducing the need for antimicrobial treatment of cow herds.⁴⁸

Conclusion

Homeopathy is a safe and effective medicine that Americans want. We should look to the countries that have already successfully integrated CAM including homeopathy for inspiration on how we can bring effective homeopathic treatment to all Americans who can benefit. Homeopathy has demonstrated great potential to greatly reduce the need for antibiotics. It's our responsibility to pursue such a promising option for the health of our country, and for the integrity of antibiotics as a treatment option.

About the Author

Kathleen Scheible, Certified Classical Homeopath (CCH), has a homeopathy general practice in San Francisco, California.

Kathleen got interested in homeopathy because of how much it benefited her kids, and transitioned to practicing homeopathy after an engineering career in Silicon Valley. Kathleen is the

⁴⁵ Palm, J., Kishchuk, V. V., Uljed, A., Fernandez, J. P., De, J. S., Jong, M. C., Keller, T., ... ToCo Research Group. (January 01, 2017). Effectiveness of an add-on treatment with the homeopathic medication SilAto-5-90 in recurrent tonsillitis: An international, pragmatic, randomized, controlled clinical trial. *Complementary Therapies in Clinical Practice*, 28, 181-191.

<https://www.sciencedirect.com/science/article/pii/S1744388117301597?via%3Dihub>

⁴⁶ Frass M, Linkesch, M, Banjya, S, et al. Adjunctive homeopathic treatment in patients with severe sepsis: a randomized, double-blind, placebo-controlled trial in an intensive care unit. *Homeopathy* 2005;94:75-80.

<http://www.ncbi.nlm.nih.gov/pubmed/15892486>

⁴⁷ Stevens, M., Piepers, S., & De, V. S. (January 01, 2016). Mastitis prevention and control practices and mastitis treatment strategies associated with the consumption of (critically important) antimicrobials on dairy herds in Flanders, Belgium. *Journal of Dairy Science*, 99, 4, 2896-2903.

[https://www.journalofdairyscience.org/article/S0022-0302\(16\)00148-X/fulltext](https://www.journalofdairyscience.org/article/S0022-0302(16)00148-X/fulltext)

⁴⁸ Hektoen, L., Larsen, S., Odegaard, S.A., & Loken, T. (December 01, 2004). Comparison of Homeopathy, Placebo and Antibiotic Treatment of Clinical Mastitis in Dairy Cows - Methodological Issues and Results from a Randomized-clinical Trial. *Journal of Veterinary Medicine Series A*, 51, 439-446. <https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1439-0442.2004.00661.x>

founder of the Bay Area Homeopathy Association and is the current president of the California Homeopathic Medical Society.

Homeopathy *for Opioid* Addiction *and Pain Management*



Burke Lennihan, RN, CCN and Loretta Butchorn, PhD CCH, RSHom (NA)

Homeopathy has a holistic modality that effectively addresses many of the underlying causes responsible for ongoing pain, often enabling the resolution of acute and chronic pain syndromes. Managing pain in a homeopathic manner is associated with the opportunity to resolve these states, rather than simply suppressing them with addictive pain medicines, which is often the modus operandi of most conventional management strategies.⁴⁹

The Opioid Addiction Crisis: How Homeopathy Can Help

Homeopathy has tremendous potential to help with opioid addiction, which is one of our nation's largest healthcare crises. Not only are there many homeopathic medicines that address pain effectively, but homeopathy has the potential to help those who are addicted to both drugs and alcohol successfully and safely detox while remaining sober.⁵⁰ According to the Centers for Disease Control and Prevention

(CDC), more than 70,000 individuals have died from drug overdoses in the U.S. over the last year.⁵¹ This represents an increase of nearly 10% since 2017 and 24% since 1999.⁵² Major increases in death rates have been noted in more than 23 states.⁵³

Many of these deaths were among those who had recently "detoxed" from drugs and were in the process of transitioning into a non-drug lifestyle. What many fail to realize is that once addicted to drugs (alcohol, heroin, other opioids, cocaine, methamphetamine, tobacco, or cannabis) the body's production of neurotransmitters in the brain is suppressed. Recovery of these neurotransmitters to their normal levels takes many months after drug use is discontinued and the drugs have left the body. A balanced neurotransmitter system is essential for comfortable and productive living. Medical detoxification programs typically last 3-5 days, which is long enough for the drugs to leave the body, but not long enough

⁴⁹ Whitmont RD. The Opioid Epidemic. *Am J Homeop Med* 2017;110(4):26-30.

⁵⁰ Bakshi, JPS. "Homoeopathy: a new approach to detoxification," *J OM111* (International Homeopathic Medicine Organization) 1993; 6(2):24-32 in *Am J Homeop Med* (Spring) 2003.

⁵¹ <https://www.cdc.gov/drugoverdose/data/statedeaths.htm>

⁵² <https://www.cdc.gov/drugoverdose/data/statedeaths.html>

⁵³ Kissin B, Schenker V, Schenker A. The acute effects of ethyl alcohol and chlorpromazine on certain physiological functions in alcoholics. *Q J Stud Alcohol* 1959;20:480-92.

for the nervous system to adjust neurotransmitter levels back to healthy and comfortable levels.⁵⁴

This delayed recovery, which is called "PAWS," (Post-Acute Withdrawal Syndrome)⁵⁵ was first identified in 1959 as a condition that plagues the recovering addict with sleeplessness, irritability, multiple physical and emotional symptoms, and severe cravings for drugs, often with a continual obsessing and fixation on drug usage.⁵⁶ This condition can vary in intensity, fluctuating hourly in early recovery and then intermittently over the next 6 months to 2 years as sobriety continues.⁵⁷

One formal research study and two observational studies completed in Boston, MA indicate the benefits of homeopathic medicine in the treatment of post-acute withdrawal syndrome. The completion rate in these two projects was twice as high in the homeopathic treatment group compared with the conventional group (66% versus 33% in the first, and 63% versus 37% in the second). No adverse events were reported in either of these cohorts.

Two studies performed, one in a 6-month treatment facility,⁵⁸ and another in a 28-day treatment program,⁵⁹ found that clients who choose to utilize homeopathic treatment experienced fewer cravings, stabilized in treatment, and completed treatment twice as often as those who chose not to utilize homeopathy in their treatment. A dramatic reduction in PAWS was seen in the clients who chose to utilize homeopathic treatment. The reduction in PAWS provides a clear indication that homeopathy is a useful and inexpensive adjunct modality, even when used alongside conventional medical detoxification.

The symptoms of craving and obsessing about drug use are particularly intense, and tend to trigger relapses in the form of a return to drug use. An important factor that contributes to the increased risk of death is that the detoxification process increases sensitivity to the drug, which means that vulnerability to overdose is much greater during and after detox. As a result, any return to opioid use that doesn't

account for this sensitivity is much more dangerous since it easily overwhelms the body and results in overdose. Death can result from using the same amount of drug that had been used and tolerated before detox simply because the body became more sensitive and vulnerable to it.⁶⁰

Research has shown that the use of homeopathic medicines can dramatically reduce drug cravings and obsessions and allow recovering addicts to progress beyond this immediate period more easily, and safely move into health and recovery.^{61, 62, 63}

Animal studies using homeopathic medicines have shown a statistically significant reduction in alcohol seeking,⁶⁴ stress,⁶⁵ and anxiety,⁶⁶ which are all early recovery symptoms that frequently trigger deadly relapses.

Depression,^{67, 68} grief,⁶⁹ and the residual symptoms of post-concussive syndrome,⁷⁰ a condition with many features similar to the very early stages of recovery from addiction, have demonstrated benefit from homeopathic treatment. The use of homeopathy as a complete treatment for drug addiction has not been extensively studied. However, in a recent randomized, double-blinded trial homeopathy was associated with a significant reduction in the number of days of cocaine use.⁷¹ Although homeopathy has not played a significant role as an adjunct modality in the medical treatment of addictive illness until recently, homeopathy has been employed as an effective treatment modality for opioid

⁵⁴ Butehorn L. Post-acute withdrawal syndrome, relapse prevention, and homeopathy. *Alt Comp Therapies* 2017;23(6). doi.org/10.1089/act.2017.29139.1bu

⁵⁵ Bakshi, JPS, op cit.

⁵⁶ Rogers J., Homeopathy and the treatment of alcohol related problems. *Complement Ther Nurs Midwifery* 1997;3(1):21-8.

⁵⁷ Sukul A, Sarkar P, Sinhababu SP, et al. Altered solution structure of alcoholic medium of potentized *Nux Vomica* underlies its anti-alcoholic effect. *Br Homeopath J* 2000;89(2):73-77.

⁵⁸ Sukul NC, Ghosh S, Sinhababu SP, et al. Strychnos *Nux Vomica* extract and its ultra-high dilution reduce voluntary ethanol intake in rats. *J Altern Com Med* 2001 Apr;7(2):187-93.

⁵⁹ Pinto SA, Bohland E, Coelho Cde P, et al, An animal model for the study of *Chamomilla* in stress and depression: pilot study. *Homeopathy* 2008; 97(3):141-4. doi: 10.1016/j.homp.2008.04.001.

⁶⁰ Bellavite P, Magnani P, Zanolin E, et al, Homeopathic Doses of *Gelsemium sempervirens* Improve the Behavior of Mice in Response to Novel Environments. *Evid Based Complement Alternat Med* 2011;2011:362517. doi: 10.1093/ecam/nep139. Epub 2011 Feb 15.

⁶¹ Davidson JR, Gaylord S. Homeopathic and psychiatric perspectives on grief. *Altern Ther Health Med* 1998;4(5):30-5.

⁶² Chikramane PS, Suresh AK, Bellare JR, Kane SG: Extreme homeopathic dilutions retain starting materials: A nanoparticulate perspective. *Homeopathy* 2010, 99(4):231-242.

⁶³ Davidson JR, Morrison RM, Davidson RT, et al. Homeopathic treatment of depression and anxiety. *Altern Ther Health Med* 1997;3(1):46-9.

⁶⁴ Chapman EH, Weintraub RJ, Milburn MA, et al Homeopathic Treatment of Mild Traumatic Brain Injury: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial. *J Head Trauma Rehab* 1999;14(6):521-542.

⁶⁵ Adler UC, Acorinte AC, Calzavro SO, et al. Double-blind evaluation of homeopathy on cocaine craving: a randomized controlled pilot study. *J Integr Med*. 2018;16(3):178-184. doi: 10.1016/j.joim.2018.03.004. Epub 2018 Mar 30.

⁵⁴ Wellman M. The late withdrawal symptoms of alcoholic addiction. *Can Med Assoc J* 1954;70(5):526-9.

⁵⁵ DeSoto CB, O'Donnell WB, Allred WI, et al. Symptomatology in alcoholics at various stages of abstinence. *Alcohol Clin Exp Res* 1985 Dec;9(6):505-12.

⁵⁶ Bakshi, JPS, op cit.

⁵⁷ Rogers J., Homeopathy and the treatment of alcohol related problems. *Complement Ther Nurs Midwifery* 1997;3(1):21-8.

⁵⁸ Butehorn L, Gumz P, Randolph L. *Nux vomica*, the Amica of Recovery from Addiction: An Exploratory Study of the Use of Homeopathy in the Reduction of Post-Acute Withdrawal Syndrome in Addiction Treatment. *Homeopathic Links* 2015; 28(01): 054- 056. DOI: 10.1055/s-0035-1544202

⁵⁹ Butehorn L, Gumz P, Randolph L (2017) Use of Homeopathic *Nux Vomica* in Reducing PAWS (Post-acute withdrawal syndrome) in Early Recovering Addicted Women. *Int J Complement Alt Med Int J Complement Alt Med* 6(4): 00197. DOI: 10.15406/iicam.2017.06.00197

addiction both in India⁷² and in the UK. Research strongly suggests it may provide an important, cost-effective, powerful and welcome tool in managing the current opioid crisis safely. A vast trove of historical data, animal studies, laboratory data and current addiction treatment data suggests that homeopathy may be efficacious as a valuable resource in the current opioid epidemic.

Homeopathy for Pain Management

Pain management is considered "the leading edge" of CAM modalities with respect to integration into conventional health care in the US.⁷³⁻⁷⁴ Several textbooks detail the homeopathic treatment of pain syndromes.^{75, 76}

A large-scale study in France demonstrated 50% reduced use of NSAIDs and significantly less use of opioids when homeopathic medicines were prescribed by conventional trained primary care physicians. Long term results, measured by pain reduction and quality of life were significantly improved with the use of homeopathy.⁷⁷ Results suggest that homeopathic medicines act faster than conventional pain medications while reducing the need for them,^{78, 79} without any of the associated dangers of dependence or withdrawal effects.⁸⁰ Homeopathy is superior to placebo in reducing pain

in many medical conditions including endometriosis,⁸¹ joint pain and stiffness,⁸¹ and hemorrhoids.⁸²

Homeopathic Medicines for Specific Pain Conditions

Post-Surgery/Post-Dental Extraction Pain Management

The use of Arnica both pre- and post-operatively reduces bruising, swelling, soreness and pain.^{83, 84} Other homeopathic medicines are useful in the augmentation of wound healing, reduced scarring, prevention of infection and palliation of nerve pain and prevention of radiation burns.^{85, 86}

Homeopathic treatment is effective in a wide range of clinical scenarios including toothache, burning mouth syndrome and trigeminal neuralgia.⁸⁷ The homeopathic medicines have been shown to demonstrate particular affinity and benefit with respect to nerve pain⁸⁸ pain and swelling after placement of dental implants with and without the use of conventional pain medications.⁸⁹

Homeopathic treatment has been found to be successful in helping 58% of patients avoid a root canal surgery, tooth extraction and pulp capping procedures in at least one small study.⁹⁰

⁷² Bakshi, JPS, op cit.\

⁷³ Weeks J. Academic group leads change for hospitals in integrative pain treatment priorities. Integrator #169, Feb. 28, 2017 accessed at <https://www.integrativepractitioner.com/whats-new/news-and-commentary/academic-group-leads-change-hospitals-integrative-pain-treatment-priorities/> on March 15, 2017.

⁷⁴ American College of Physicians. Noninvasive treatments for acute, subacute, and chronic low back pain: a clinical practice guideline from the American College of Physicians. *Annals of Internal Medicine Clinical Guidelines* 14 February 2017.

⁷⁵ Loes M, Ullman D. Homeopathy. In: Boswell MV, Cole BE eds. *Weiner's Pain Management: A Practical Guide for Clinicians*. 7th edition, New York: Taylor and Francis, 2006

⁷⁶ Whitmont RD, Mamtani R. Homeopathy and Chronic Pain, Chapter 17 in *Complementary and Integrative Medicine in Pain Management*, Weintraub MI, Mamtani R, Micozzi MS, eds. Springer, NY. 2008: 337 - 368.

⁷⁷ Rossignol M, Begaud B, Engel Pet al. Impact of physician preferences for homeopathic or conventional medicines on patients with musculoskeletal disorders: results from the EP13-MSD cohort. *Pharmacoepidemiol Drug Saf* 2012 Oct;21(10):1093-101.

⁷⁸ Friese KH, Kruse S, Moeller H. The homeopathic treatment of otitis media in children—comparisons with conventional therapy. *Int J Clin Pharmacol Ther* 1997 Jul;35(7):296-301

⁷⁹ Robertson A, Suryanarayanan R., Banerjee A. Homeopathic Arnica montana for post-tonsillectomy analgesia: a randomised placebo control trial. *Homeopathy* 2007 Jan;96(1):17-21.

⁸⁰ American Pharmacists Association Handbook of Non-Prescription Drugs. Washington, DC: American Pharmacists Association, 15. Edition.

⁸¹ Karp SC, Sanchez C, Guilbert P et al. Treatment with Ruta graveolens 5CH and Rhus toxicodendron 9CH may reduce joint pain and stiffness linked to aromatase inhibitors in women with early breast cancer: results of a pilot observational study. *Homeopathy* 2016 Nov;105(4):299-308.

⁸² Das KD, Ghosh S, Das AK et al. Treatment of hemorrhoids with individualized homeopathy: an open observational pilot study. *J Intermit Ethnopharmacol* 2016 Jun 25;5(4):335-342.

⁸³ Robertson A, Suryanarayanan R, Banerjee A, op.cit.

⁸⁴ Iannitti T, Morales-Medina JC, Bellavite P, et al. Effectiveness and safety of Arnica Montana in post-surgical setting, pain, and inflammation. *Am J Tiler* 2016 Jan-Feb;23(1):e184-97.

⁸⁵ Pommier P, Gomez F, Sunyach MP et al. Phase III randomized trial of Calendula officinalis compared with trolamine for the prevention of acute dermatitis during irradiation for breast cancer. *J Clin Oncol*. 2004 Apr 15;22(8):1447-53

⁸⁶ Hostanska, K., Rostock, M., Melzer, J., et al. A homeopathic remedy from arnica, marigold, St. John's wort and comfrey accelerates in vitro wound scratch closure of NIH 3T3 fibroblasts. *BMC Complement Altern Med* 2012; 12:100.

⁸⁷ Eames S, Darby P. Homeopathy and its ethical use in dentistry. *Brit Dent J* 2011 April 9;210(7): 299-301.

<http://www.nature.com/bdj/journal/v210/n7/pdf/sj.bdj.2011.237.pdf>FIX

⁸⁸ Raak C, Bussing A, Grossmann G et al. A systematic review and meta-analysis on the use of Hypericum perforatum (St. John's Wort) for pain conditions in dental practice. *Homeopathy* 2012 Oct;101(4):204-10.

⁸⁹ Mazzocchi A, Montanaro F. Observational study of the use of Symphytum 5CH in the management of pain and swelling after dental implant surgery. *Homeopathy* 2012 Oct;101(4):211-6.

⁹⁰ Hamre HJ, Mittag I, Glockmann A et al. Pulpa dentis D30 for acute reversible pulpitis: a prospective cohort study in routine dental practice. *Altern Ther* 2011 Jan/Feb;17:1:16-21.

Fractures

Homeopathy has been found to speed bone healing while reducing the need for analgesics after fractures.⁹¹

Labor pain

The homeopathic medicines reduce labor pain without any side effects in either mother or infant.^{92, 93}

Trigeminal neuralgia

In a four-month study of the homeopathic treatment of trigeminal neuralgia, known as the "suicide disease", significant reductions of pain (60%) were achieved.⁹⁴

Back pain and other musculoskeletal disorders

A year-long study performed in France compared patients with a variety of musculoskeletal disorders, including osteoarthritis, rheumatism, fibromyalgia, muscle spasms, tendinitis, rotary cuff syndrome, ankylosing spondylitis, intervertebral disc disorders, neck pain, torticollis, and spinal stenosis. The homeopathic treated patients used 25% fewer narcotics and half as many NSAIDs as the conventionally treated group. There were fewer adverse events in the homeopathic treatment group, but no differences in specific functional scores or loss of therapeutic opportunity. Patients in the homeopathic cohort tended to have more long standing chronic conditions before treatment.⁹⁵

A two-year multicenter study performed in Germany with patients receiving individualized professional homeopathic treatment for chronic low back pain revealed that disease severity was significantly reduced along with utilization of conventional treatments and health services. Quality of life in

the homeopathic treatment group improved significantly, both in physical and mental component scales.⁹⁶

Studies in Europe demonstrate homeopathy provides superior relief from back pain when compared with placebo, and generates fewer adverse events.^{97, 98, 99}

Rheumatology

- Rheumatic conditions also demonstrate promising results when treated homeopathically.^{100, 101, 102}
- Palliation in Cancer Therapy

Homeopathy has a distinct role in palliative cancer care for those who suffer from pain. Homeopathy works well alongside conventional therapeutics including opioid medications.^{103, 104}

General Health Maintenance

Homeopathy is a holistic form of treatment that increases overall health and wellbeing by stimulating self-healing, homeostatic mechanisms in the body. Pain control and resolution are frequent "side-effects" of healing that is initiated by homeopathic treatment. Many studies have focused on the clinical effects of homeopathic treatment in a variety of conditions that are inherently painful. Measures of patient satisfaction, improved quality of life and overall emotional and psychological improvement reflect the nature of this type of treatment and indirectly account for pain

⁹⁶ Witt CM, Ludtke R, Baur R, Willich SN. Homeopathic treatment of patients with chronic low back pain: a prospective observational study with 2 years' followup. *Clin J Pain* 2009 May;25(4):334-9.

⁹⁷ Beer AM, Fey S, Zimmer Met al. [Effectiveness and safety of a homeopathic drug combination in the treatment of chronic low back pain: a double-blind, randomized, placebo-controlled clinical trial.] *MMW Fortschr Med* 2012 Jun 28;154 Suppl 2:45-57. [Article in German]

⁹⁸ Stam C, Bonnet MS, van Haselen RA. The efficacy and safety of a homeopathic gel in the treatment of acute low back pain: a multi-centre, randomized, double-blind comparative clinical trial. *Brit Hom J* 2001;90:21-28.

⁹⁹ Morris M, Pellow J, Solomon EM, Tsele-Tebakang T. Physiotherapy and a homeopathic complex for chronic low back pain due to osteoarthritis: a randomized, controlled pilot trial. *Altern Ther Health Med* 2016 Jan-Feb;22(1):48-56.

¹⁰⁰ Bell IR, Lewis DA, Brooks AJ, et al. Improved clinical status in fibromyalgia patients treated with individualized homeopathic remedies versus placebo. *Rheumatology (Oxford)* 2004 May;43(5):777-82. Epub 2004 Jan 20

¹⁰¹ Fisher P, Greenwood A, Huskisson EC, et al. Effect of homeopathic treatment on fibrositis (primary fibromyalgia). *BMJ* 1989; 299(6695): 365-366. doi: 10.1136/bmi.299.6695.365

¹⁰² Perry R, Terry R, Ernst E. A systematic review of homeopathy for the treatment of fibromyalgia. *Clin Rheum* 2010;29(5):457-64. doi: 10.1007/s10067-009-1361-2. Epub 2010 Jan 23.

¹⁰³ Frass M, Friehs H, Thallinger C, et al. Influence of adjunctive classical homeopathy on global health status and subjective wellbeing in cancer patients - A pragmatic randomized controlled trial. *Complement Ther Med* 2015;23(3):309-17. doi: 10.1016/j.ctim.2015.03.004. Epub 2015 Mar 23.

¹⁰⁴ Briscoe J. Effects of complementary therapies in cancer care. *Nurs Times* 2013;109(41):18-20.

⁹¹ Sharma S, Sharma N, Sharma R. Accelerating the healing of bone fracture using homeopathy: a prospective, randomized double-blind controlled study. *BMC Complement Altern Med* 2012; 12(Suppl 1):O61.

⁹² Eid P, Felisi E, Sideri M. Super-placebo ou action pharmacologique? Une étude en double aveugle, randomisée avec un remède homéopathique (Caulophyllum thalictroides) dans le travail d'accouchement. Proceedings of the 5th Congress for Homeopathic Medicine, Paris, France, 1994.

⁹³ Teixeira MZ, Podgaec S, Baracat EC. Potentized estrogen in homeopathic treatment of endometriosis pelvic pain: a 24-week, randomized, double-blind, placebo-controlled study. *Eur J Obstet Gynecol Reprod Biol* 2017 Apr;211:48-55.

⁹⁴ Mojaver YN, Mosavi F, Mazaherinezhad A, et al. Individualized homeopathic treatment of trigeminal neuralgia: an observational study. *Homeopathy* 2007;96(2):82-86.

⁹⁵ Rossignol M op cit.

resolution. Pain relief is only a single component of these clinical trials secondary to the healing of the underlying painful condition.^{105, 106, 107, 108, 109}

In summary, homeopathy holds tremendous potential in the treatment of pain related conditions and in the management of opioid dependence and safe detoxification. Further research in both these clinical areas is certainly warranted. Public health benefits gained from utilizing homeopathic medicine include superior efficacy, lower cost, greater safety and higher patient satisfaction.

About the Authors

Burke Lennihan, RN, CCH has worked in holistic health care since graduating from Harvard University in 1974. She co-founded the Renaissance Institute of Classical Homeopathy and subsequently directed Teleosis School of Homeopathy. Lennihan co-authored Cough Cures with distinguished pulmonologist Gustavo Ferrer, MD and co-authored a book on holistic animal care with Margo Roman, DVM, while her own Your Natural Medicine Cabinet educates the public about home care with homeopathy. She has edited several standard reference works in homeopathy including Yasgur's Dictionary and Hahnemann Revisited, a textbook for professionals.

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¹⁰⁵ Bornhoft G, Wolf U, von Ammon K, et al. Effectiveness, safety and cost-effectiveness of homeopathy in general practice –summarized health technology assessment. *Forsch Komplementmed* 2006;13 Suppl 2:19–29. Epub 2006 Jun 26.

¹⁰⁶ Spence DS, Thompson EA, Barron SJ. Homeopathic treatment for chronic disease: a 6-year, university-hospital outpatient observational study. *J Altern Complement Med* 2005 Oct;11(5):793–8.

¹⁰⁷ Witt CM, Ludtke R, Baur R, et al. Homeopathic medical practice: long-term results of a cohort study with 3981 patients. *BMC Public Health* 2005 Nov 3;5:115.

¹⁰⁸ Van Wasserhoven M, Ives G. An observational study of patients receiving homeopathic treatment. *Homeopathy* 2004 Jan;93(1):3–11.

¹⁰⁹ Witt C, Keil T, Selim D, et al. Outcome and costs of homeopathy and conventional treatment strategies: a comparative cohort study in patients with chronic disorders. *Complement Ther Med* 2005 Jun;13(2):79–86.



Homeopathy's *Role in Addressing* Healthcare *Costs*

Noel Peterson CCH, RSHom (NA), MBA

United States Healthcare Costs - At a Glance

In 2016 U.S. health care spending increased 4.3% to reach \$3.3 trillion (\$10,348 per person) or 17.9% of the U.S. gross domestic product (GDP)- up from 17.7 percent in 2015. Physician and clinical services accounted for 20% (\$664.9 billion) and prescription drugs accounted for 10% (\$328.6 billion) of this total.¹¹⁰

U.S. healthcare spending continues to rise in proportion to the GDP (see infographic below)¹¹¹

¹¹⁰ Centers for Medicare & Medicaid Services.

<https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/NationalHealthExpendData/Downloads/highlights.pdf>

¹¹¹ Centers for Medicare & Medicaid Services, Office of the Actuary, National Health Statistics Group; U.S. Department of Commerce, Bureau of Economic Analysis and National Bureau of Economic Research, Inc. Accessed from: <https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/NationalHealthExpendData/Downloads/NE-Presentation-Slides.pdf>

In 2016, the United States spent nearly twice as much as any of the ten highest-income countries in the world on healthcare. U.S. healthcare simply does not measure up or compare favorably with any of these other nations in terms of healthcare statistics: The U.S. has the highest percentage of obese and overweight adults, the lowest life expectancy, and one of the highest infant mortality rates of any developed nation on earth.¹¹²

These out-of-control healthcare costs combined with poorer than average outcomes is part of an unsustainable trend that must be altered. The use of integrative strategies in medicine, and homeopathy in particular, would help reverse this trend and return U.S. healthcare to quality and longevity. Most European nations already integrate homeopathy into their national health care programs, with program-wide beneficial results that include lower cost and improved quality outcomes.

¹¹² Papanicolas I, Woskie LR, Jha AK. Health Care Spending in the United States and Other High-Income Countries. *JAMA* 2018;319(10):1024-1039. doi:10.1001/jama.2018.1150. <https://jamanetwork.com/journals/jama/article-abstract/2674671>

Initiatives on The Hill

In March 2018 the first-ever bi-partisan Congressional Integrative Health and Wellness Caucus convened to provide education and stimulate legislative change in integrative healthcare.¹¹³ Staving off the rising trend of unsustainable healthcare costs is an extremely important public health concern and further exploration into the use of alternatives is being encouraged on Capitol Hill.



Public Health Burden and Costs of Illness

There are many cost burdens and public health crises affecting American healthcare. Two of these burdens are related to chronic pain management and antibiotic resistance. In 2010 the annual cost of pain management was greater than the annual costs of heart disease (\$309 billion), cancer (\$243 billion), and diabetes (\$188 billion) and nearly 30 percent higher than the combined cost of cancer and diabetes.¹¹⁴ Antibiotic resistance has increasingly become an international public health crisis that in 2015 the last administration allocated \$1.2 billion and released a National Action Plan to Combat Antibiotic Resistant Bacteria.¹¹⁵ Homeopathy demonstrates benefit in reducing costs and improving outcomes simultaneously in both pain management and treatment of infectious disease, thereby

¹¹³ Integrative Health Policy Consortium. Retrieved from: <http://www.ihpc.org/new-congressional-caucus-on-integrative-health-and-wellness-formed/>

¹¹⁴ Gaskin DJ, Richard P. Appendix C: The Economic Costs of Pain in the United States. *Relieving Pain in America: A Blueprint for Transforming Prevention, Care, Education, and Research*. 2011. Retrieved from: <https://www.ncbi.nlm.nih.gov/books/NBK92521/>

¹¹⁵ Burwell, Sylvia M., Vilsack, T., Carter, Ash. *Our Plan to Combat and Prevent Antibiotic-Resistant Bacteria*. 2015. Retrieved from: <https://obamawhitehouse.archives.gov/blog/2015/03/27/our-plan-combat-and-prevent-antibiotic-resistant-bacteria>

reducing antibiotic resistance. These are just two of many areas that homeopathy has been shown to provide benefit. Patients treated by family physicians certified in homeopathy are prescribed fewer antibiotics, antipyretic and anti-inflammatory medications for upper respiratory tract infections yet improve faster than those who receive conventional treatment from family physicians who don't use homeopathy.¹¹⁶

Studies conclusively demonstrate that, compared with conventional antibiotic protocols for recurrent upper respiratory tract infections and rhino-pharyngitis, homeopathically treated patients have better results, suffer fewer complications, lose less time from work and cost fewer health care dollars than those treated conventionally.¹¹⁷

Patients receiving homeopathic treatment for musculoskeletal complaints have similar trajectories, but only use half as many non-steroidal anti-inflammatory drugs (NSAIDs) compared with those who receive conventional care. Additionally, the homeopathically treated groups report far fewer side effects and demonstrate no loss of therapeutic opportunity.¹¹⁸

In terms of chronic illness, studies demonstrate that homeopathically treated patients experience superior treatment outcomes at similar cost to those who undergo conventional medical management. Conditions studied include headaches, low back pain, depression, sinusitis in adults, and atopic asthma, dermatitis, and rhinitis in children.¹¹⁹

Replicated studies demonstrate that homeopathy provides faster relief with significantly lower risks of adverse drug

¹¹⁶ Grimaldi-Bensouda L, Begaud B, Rossignol M, et al. Management of Upper Respiratory Tract Infections by Different Medical Practices, Including Homeopathy, and Consumption of Antibiotics in Primary Care: The EPI3 Cohort Study in France 2007–2008. *PLoS ONE* 2014;9(3): e89990. Retrieved from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3960096/>

¹¹⁷ Trichard M, Chaffuerin G, Nicoloyannis N. Pharmacoeconomic comparison between homeopathic and antibiotic treatment strategies in recurrent acute rhinopharyngitis in children (2005). Retrieved from: <https://doi.org/10.1016/j.homp.2004.11.021>

¹¹⁸ Rossignol M, Begaud B, Engel P, et al. Impact of physician preferences for homeopathic or conventional medicines on patients with musculoskeletal disorders: results from the EPI3-MSD cohort. *Pharmacoeconomics Drug Saf* 2012;21:1093–101. Retrieved from: <https://www.ncbi.nlm.nih.gov/pubmed/22782803>

¹¹⁹ 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. *Complementary Therapies in Medicine* 2005; 13:79–86. Retrieved from: http://www.academia.edu/13576920/Outcome_and_costs_of_homeopathic_and_conventional_treatment_strategies_A_comparative_cohort_study_in_patients_with_chronic_disorders

reactions (ADR's) when compared with conventional treatments for acute respiratory illnesses.^{120, 121, 122}

Cost of Homeopathy

While providing the same or better-quality health outcomes, the cost of providing homeopathy remains negligible in comparison to conventional medical treatments.

The U.K.'s National Health Service (NHS) has included homeopathy since its inception in 1948. In 2016, more than 40,000 homeopathic prescriptions cost the NHS about \$120,000 (an average of \$3 per prescription), I4.¹²³ In 2013 approximately 0.0013% of the entire 13 billion NHS budget was spent on homeopathic medicines. Labor and overhead costs for the use of homeopathy were only 0.004% of the budget.^{124, 125}

A 2015 French health economics review concluded that when patients consulting homeopathic family physicians were compared with those consulting conventionally trained family physicians, they spent an average of 20% less on their health care (US \$78.70 vs. \$98.91). The extremely inexpensive costs of homeopathic medicines were offset by the relatively more expensive costs of longer consultation times required by homeopathic medical specialists, but overall cost savings were still greater in the homeopathically treated group. Homeopathic physicians tend to prescribe far fewer conventional drugs (i.e., psychotropic, antibiotics and non-steroidal anti-inflammatory drugs) which are potentially much more expensive and hazardous.¹²⁶

¹²⁰ Riley D, Fischer M, Singh B, et al. Homeopathy and Conventional Medicine: An Outcomes Study Comparing Effectiveness in a Primary Care Setting. *Journal of Alternative and Complementary Medicine* 2001; 7:149-159. Retrieved from: <https://www.ncbi.nlm.nih.gov/pubmed/11327521>

¹²¹ Haidvogel M., Riley D, Heger Met al. Homeopathic and conventional treatment for acute respiratory and ear complaints: A comparative study on outcome in the primary care setting. *BMC Complement Altern Med* 2007; 7: 7. Retrieved from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1831487/>

¹²² Witt CM, Liidtk R, Baur R, et al. Homeopathic medical practice: long-term results of a cohort study with 3,981 patients. *BMC Public Health* 2005; 5:115. Retrieved from: <https://www.ncbi.nlm.nih.gov/pubmed/16266440>

¹²³ NHS Digital: NHS Prescription Cost Analysis 2016. Retrieved from: <https://www.hri-research.org/wp-content/uploads/2016/02/NHS-homeopathy-in-the-spotlight-Feb2016.pdf> and <https://www.homeopathyawareness.com/the-nhs/>

¹²⁴ Is Freedom of Information Act request to the Department of Health by the Faculty of Homeopathy. Cost was £11.89 million between 2005 and 2008. Homeopathy Awareness. The School of Homeopathy. How much does it cost the NHS to provide homeopathy? Retrieved from: <https://www.homeopathyawareness.com/the-nhs/>

¹²⁵ Freedom of Information Act request to the Department of Health by the Faculty of Homeopathy. Cost was £11.89 million between 2005 and 2008. Homeopathy Awareness. The School of Homeopathy. How much does it cost the NHS to provide homeopathy? Retrieved from: <https://www.homeopathyawareness.com/the-nhs/>

¹²⁶ Colas A, Danno K, Tabar C, et al. Economic Impact of Homeopathic Practice in General Medicine In France. *Health Economics Review* 2015;5:18. Retrieved

In 2011 the Swiss government commissioned a comprehensive review of their health care system that included an analysis of the entire body of evidence derived from randomized double-blind placebo controlled clinical trials, systematic reviews, meta-analyses, clinical outcome studies and epidemiological research examining the use of homeopathy in medical care. They concluded that homeopathy is a clinically effective, appropriate, safe, and cost-effective healthcare strategy for use by Swiss citizens. Since that time they have included, and paid for its use in the Swiss national health insurance program.

Conclusion

Healthcare costs in the U.S. continue to rise unsustainably while quality outcomes decline. U.S. healthcare ranks lower than most other developed nations. Efforts underway on Capitol Hill strive to reverse this trend and integrate alternative approaches, including homeopathy, into the U.S. healthcare system.

Homeopathy is an efficacious, safe and cost-effective medical modality capable of superior outcomes at a fraction of the cost and risk of conventional medical care. Many European nations have already studied homeopathy in great detail and have concluded that greater inclusion and incorporation into their national healthcare programs is warranted. It is time that the U.S. government and FDA take notice of the benefits and advantages of this important medical modality and work to include it in U.S. public healthcare.¹²⁷

About the Author

Noel Peterson CCH, RSHom (NA), MBA is a board-certified classical homeopath with a full-time practice located in the Austin, Texas area. He currently serves as Vice President on the Council for Homeopathic Certification. Noel believes in making homeopathy more widely available and accessible throughout the American healthcare system and is dedicated to achieving this end through common sense business practices and effective homeopathic care

from: <https://thehealthreview.biomedcentral.com/track/pdf/10.1186/s13561-015-0055-5>

¹²⁷ Bornhoft, G, Matthiessen, and PF. Homeopathy in Healthcare: Effectiveness, Appropriateness, Safety, Costs. Goslar, Germany: Springer, 2011. Retrieved from: <http://www.homeovet.cl/Libros/Homeopathy%20in%20Healthcare%20Effectiveness,%20Appropriateness,%20Safety,%20Costs.pdf>

The Use of *Homeopathy in* European *Hospitals*

Americans for Homeopathy Choice



Homeopathy is a 200-year-old system of medicine, used by nearly 250 thousand physicians and over 500 million people worldwide¹²⁸ - making it one of the most popular forms of integrative medicine.

In fact, homeopathy is an important part of the healthcare systems of many major industrialized nations -including most of Western Europe. What's more, there are at least 70 hospitals in Germany, France, Austria, Switzerland, Sweden, Italy, Spain and the U.K. actively integrating homeopathy into patient care (see attached list). Homeopathy is also actively practiced by physicians in 40 out of 42 European nations. There are also hundreds of hospitals in south Asia — India in particular—that integrate homeopathy into patient care.

It should be noted that in all comparative effectiveness studies of homeopathy its integration into health care resulted in better outcomes for patients with improved safety. Those that

included cost-effectiveness analysis showed no additional cost or reduced costs.

A recent economic analysis of the French healthcare system (ranked #1 in the world by the World Health Organization) produced data that examined three types of cost: consultation, prescription and total costs. Overall health expenditure was 20% less for patients consulting homeopathic family physicians in France compared to conventional family physicians (\$78.70 US vs. \$98.91 US). The lower cost of medical prescriptions for homeopathic family physicians was partially offset by higher consultation costs. Homeopathic physicians prescribed far fewer potentially hazardous drugs including psychotropics, antibiotics and non-steroidal anti-inflammatory drugs.¹²⁹

How can the U.S. begin to get healthcare costs under control while better managing problems like pain management and the end of the antibiotic era? We can do like the rest of the

¹²⁸ Bell IR, Schwartz GE. Adapted network nanomedicine: an integrated for homeopathic medicine. *Frontiers in Bioscience (Scholar Ed.)*. 2013;5 (2): 685-708

¹²⁹ Colas A, Danno K, Tabar C, Ehret J, Duru G. Economic Impact of Homeopathic Practice in General Medicine in France. *Health Economics Review* (2015) 5:18 DOI 10.1186/s13561015-0055-5

industrialized world — and bring homeopathy into our hospital systems as an adjunct system of care.

List of Hospitals using Homeopathy in Europe

German Hospitals Using Homeopathy

- Alexander von Humboldt Klinik
- Waldhausklinik Deuringen
- CHAMP- Charité Ambulanz
- Habichtswaldklinik
- Fachklinik Hofheim
- Hahnemann Klinik Baltrum
- Hof Bellevue
- Klinik im LEBEN
- Malteser Klinik von Weckbecker in Bad Brückenau
- Homöopathie an der Klinik für Psychiatrie und Psychotherapie Hofheim
- Krankenhaus Lahnhöhe
- Universitätsklinikum Heidelberg – Frauenklinik Ambulanz für Naturheilkunde
- Belegabteilung für Homöotherapie am Kreiskrankenhaus Heidenheim
- Dr. Von Haunersche Kinderspital der Ludwig-Maximilians-Universität

Austrian Hospitals Using Homeopathy

- General Hospital of Vienna (= Medical University of Vienna), Dept. Medicine I, Division of Oncology
- Hospital of the Brothers of Mercy, Salzburg (Dr. Sepp Fegerl, Dr. Barbara Reuter)
- Outpatient unit “Children Oncology, Hospital Klagenfurt” (Dr. Erfried Pichler)
- Hospital Hietzing, Vienna (Dr. Michaela Zorzi)
- Ambulanzen in Wien
- Ambulanzen in Kärnten
- Ambulanzen in Salzburg
- Ambulanzen in Tirol
- Ambulanzen in Vorarlberg
- https://www.homoeopathiehilft.at/show_content2.php?reload=1&s2id=31

Swiss Hospitals Using Homeopathy

- Institute for Complementary Medicine - University of Bern (IKOM; Dr. Martin Frei, Dr. Katharina Gaertner)
- Clinica Santa Croce, Orselina:
<http://www.clinica-dr-spinedi.ch/it/trattamento.html>
- Swiss Paraplegic Centre, Nottwil:
<https://www.paraplegie.ch/spz/en>
- Klinik Arlesheim
- Ita Wegman Geburtshaus
- Paracelsus-Spital Richterswil
- Regionalspital Emmental AG - Abteilung Komplementärmedizin
- Ospital Engiadina Bassa - Abteilung Komplementärmedizin
- Medizinisches Zentrum Bircher-Benner, Dorfstrasse 12, 8784 Braunwald, Switzerland
<http://www.bircher-bennet.com>
- Zentrum für integrative Pädiatrie, HER Billens, Rue de 11-16pital 1, 1681 Billens, Switzerland,
<http://pediatrie.h-ftch/de/hfr-freiburg-ks/integrative-paed.html>
- Kantonsspital St.Gallen, Zentrum für Integrative Medizin, Haus 33, Greithstrasse 20, CH-9007 St. Gallen, Switzerland,
<https://www.kssg.ch/integrative-medizin>
- Kantonsspital St.Gallen, Zentrum für Integrative Medizin, Haus 33, Greithstrasse 20, CH-9007 St. Gallen, Switzerland,
<https://www.kssg.ch/integrative-medizin>
- Swiss Mountain Clinic AG Strada Cantonale 158 CH-6540 Castaneda GR
https://www.swissmountainclinic.com/de/?utm_source=alronc.ch
- Paracelsus Klinik Lustmühle AG, Battenhusstrasse 12, Postfach 162, 9053 Teufen AR
<http://www.paracelsus.ch/>
- Seeklinik Brunnen, Gersauerstrasse 8, 6440 Brunnen,
<https://www.seeklinik-brunnen.ch/>
- Klinik Schützen Rheinfelden, Bahnhofstrasse 19, 4310 Rheinfelden, info@klinikschuetzen.ch

French Hospitals Using Homeopathy

- Centre Hospitalier Saint Joseph Saint Luc, Lyon :
<http://www.ch-stioseph-stluc-lyon.fr/service/40.Hom%C3%A9opathie/>
- Centre Hospitalier Lyon-Sud, Lyon:
<http://www.chu-lyon.fr/fr/ouverture-dune-consultat>

ion-dhomeopathie-au-centre-hospitalier-lyon-sud-hcl

- Hospital Croix-Rousse, Lyon :
[https://www.dock/lyon/hôpital de la croix rousse/dr-lopez-marquez-yecenia.htm](https://www.dock/lyon/hôpital%20de%20la%20croix%20rousse/dr-lopez-marquez-yecenia.htm)
- Centre Hospitalier de la Pitié-Salpetriere, Paris:
<https://www.aphp.fr/offre-de-soin/consultation-3038>
- Centre Hospitalier Tenon, Paris :
<https://www.aphp.fr/contenu/ap-hp-inauguration-de-la-maternite-renoyee-de-lhopital-tenon>
- Centre Hospitalier Coirentin-Celton, Paris :
[http://www.politi.com/I Compte/102 ADMIN/102 01 HOSPITALIER/maietbV2/popup/etablissement/fiche.asp?Vue=a118,1dEtablissement=2318](http://www.politi.com/I%20Compte/102%20ADMIN/102%2001%20HOSPITALIER/maietbV2/popup/etablissement/fiche.asp?Vue=a118,1dEtablissement=2318)
- Hospital Saint Jacques, Paris :
<https://www.hopital-stiacques.com/consult.html>
- Groupe Hospitalier Saint Vincent, Strasbourg:
<https://www.ghsv.org/praticiens/jean-lionel-bagot/>

Italian Hospitals Using Homeopathy

- Centro de Medicina Integrata di Pitigliano, Grosseto:
<http://www.usIsudest.toscana.it/index.php/guida-ai-servizi/centro-di-medicina-integrata-di-pitigliano>

Spanish Hospitals Using Homeopathy

- Hospital del Nen Deu, Barcelona:
<http://www.fundacionendeu.org/consultorios-medicos/>
- Instituto Homeopático y Hospital de San José, Madrid: <http://www.hospitalhomeopatico.es/terapias>

UK Hospitals Using Homeopathy

- National Health Service Centre for Integrative Care, Glasgow:
<http://www.nhsggc.org.uk/patients-and-visitors/main-hospital-sites/gartnavel-campus/nhs-centre-for-integrative-care/nhs-centre-for-integrative-care-therapies/homeopathy/>
- Portland Centre for Integrative Care, Bristol:
<http://portlandcentrehealthcare.co.uk/service/medical-homeopathy-bristol/>
- Royal London Hospital for Integrated Medicine, London:
<https://www.uclh.nhs.uk/ourservices/ourhospitals/rlhim/Pages/Home.aspx>

Swedish Hospitals Using Homeopathy

- Vidarkliniken



Homeopathy's *Role in Addressing the* Over-Medication *Epidemic*

Jennifer Jacobs, MD, MPH

Introduction

Homeopathy offers an alternative to the epidemic of over-medication that is currently sweeping the globe. Conventional medications carry many dangers, including adverse side effects, drug interactions, overdoses, and suppression of disease to deeper levels of health. Research shows that homeopathy is a viable treatment option for many common health problems, including childhood illnesses, depression, and chronic pain.

Many countries of the world are currently experiencing an epidemic that is largely ignored by the mainstream media—that of over-medication. The dichotomy between homeopathy and conventional medicine cannot be more extreme in this regard. In homeopathy, the minimum, infinitesimal dose is used to stimulate the body's innate self-healing response. Conversely, conventional medical practice bombards the body with many different drugs, exposing it to myriad side effects and drug interactions. More

importantly, these drugs suppress the body's own ability to heal and lead to deeper, more serious illnesses.

The Magnitude of Over-Medication

The statistics about over-medication are horrifying to those of us who have a respect for homeopathy and other holistic modalities. In the United States, 40 percent of people over age sixty-five regularly take five or more prescription drugs, a number that has tripled in the past twenty years.¹ Sixty-five percent take at least three, while as many as twelve percent take ten or more daily drugs. While more common in seniors, the use of multiple medications is prevalent throughout the entire U.S. population. In a recent survey, 21.8 percent of adults took three or more prescription drugs in the previous month while 10.7 percent took five or more². Even in children, prescription drug use was found to be common—the same survey reported that one in four children had taken at least one in the previous month.

The Dangers of Over-Medication

In 2014, it was reported that over three hundred people in the US die each day from side effects of drugs.¹³⁰ Can you imagine the headlines and panic if three hundred people died each day from terrorist attacks? Another study estimated that there are more than four million outpatient visits each year for adverse drug reactions.¹ Another problem is accidental drug overdoses, which caused 47,000 deaths in the US in 2014—more fatalities than from traffic accidents.

Homeopathy and Over-Medication

There are many studies that demonstrate how homeopathy could be used instead of conventional drugs to reduce the prevalence of over-medication. For childhood illnesses, my own work has shown that homeopathy can be used in place of antibiotics and other medications for ear infections, diarrhea, and colds and coughs.^{131 132 133} The use of homeopathy for chronic health problems, including depression and chronic pain, has even more potential to reduce the over-medication epidemic.

Depression

A recent survey found that more than 12 percent of people in the US were taking an antidepressant, including 26 percent of women between the ages of fifty and sixty-four. Yet an analysis by a group of international researchers reported that for every seven people treated with antidepressants, only one person would benefit.¹³⁴ The side effects of these medications are alarming—sexual dysfunction, violent and suicidal behavior, bleeding disorders, and an increased risk of diabetes and falls.¹³⁵

¹³⁰ Rudd RA Aleshire N JD1- Zibbell JE et al. Increases in drug and opioid overdose deaths—United States 2000–2014. *CDC Morbidity and Mortality Weekly Report*. 2016;64(50):1378–1382. Accessed at: <https://www.cdc.gov/mmwr/preview/mmwrhtml/mm6450a3.htm>

¹³¹ Jacobs J, Sprinckr DS, Crothers D. Homeopathic treatment of acute otitis media in children: a preliminary randomized placebo-controlled trial. *Pediatr Infect Dis J* 2001; 20:177–183. Accessed at: https://journals.lww.com/pidj/Abstract/2001/02000/Homeopathic_treatment_of_acute_otitis_media

¹³² Jacobs J, Jimenez LM, Gloyd S, Gale JL, Crothers D. Treatment of acute childhood diarrhea with homeopathic medicine: a randomized clinical trial in Nicaragua. *Pediatrics* 1994– 93:719–725. Accessed at: <https://www.ncbi.nlm.nih.gov/pubmed/8165068>

¹³³ Jacobs J T. *10rJA*. A randomized controlled trial of a homeopathic medicine. *Chic Med* 2016. 29:229–234. Accessed at: <https://www.ncbi.nlm.nih.gov/pubmed/27912951>

¹³⁴ Fishman T, et al. Antidepressants versus placebo for depression in primary care. *Cochrane Database Syst. Rev.* 2009– 3:CD007954. Access at <https://www.ncbi.nlm.nih.gov/pubmed/19588448>

¹³⁵ Zhong W, Maradit-Kremers H St. Sauver J, et al. Age and sex patterns of drug prescribing in a defined American population. *Mayo Clinic Proc.* 2013;88:697–707. Accessed at: [https://www.mayoclinicproceedings.org/article/S0025-6196\(13\)00357-1/fulltext](https://www.mayoclinicproceedings.org/article/S0025-6196(13)00357-1/fulltext)

On the other hand, we have good evidence of the efficacy of homeopathy in treating depression. In a recent study, one hundred and thirty-six middle-aged Mexican women with moderate-to-severe depression were randomized to receive either individualized homeopathic treatment, an antidepressant, or a placebo. After six weeks, the homeopathic group showed a statistically significant decrease in symptoms compared to placebo, with results that were equivalent to the group receiving the antidepressant.¹³⁶ “These results are similar to those of a previous study, which reported that individualized homeopathic treatment was as effective as fluoxetine (Prozac) in the treatment of people with moderate or severe depression.¹³⁷



Chronic Pain

Chronic pain is another area in which homeopathy can be beneficial. It is no secret that the over-use of opioid pain relievers has led to innumerable lives ruined or lost from addiction and inadvertent overdoses. Even over-the-counter pain medications carry considerable risks of side effects. Acetaminophen causes more than 40 percent of acute liver failure cases in the US and is the reason for more than 100,000 calls to Poison Control Centers each year.¹³ Misuse of non-steroidal anti-inflammatory drugs (NSAIDs), such as aspirin and ibuprofen, leads to more than 100,000 hospitalizations and 16,000 deaths per year.¹³⁸ In a German

¹³⁶ Macias-Cordes EC Llanes-Gonzalez L Aguilar-Faisal L et al Individualized homeopathic treatment and fluoxetine for moderate to severe depression in peri- and postmenopausal women (HOMDEP-MENOP study): a randomized, double-dummy, double-blind, placebo-controlled *PLoS One*. 2015; 10:e0127719. Accessed at: <https://www.ncbi.nlm.nih.gov/pubmed/25768800>

¹³⁷ Adler UC Paiva NMP Cesar AT, et al. Homeopathic individualized (3-potencies) versus fluoxetine for moderate to severe depression: double-blind randomized controlled trial. *Evid Based Complement Alternat Med*. 2011– 2011-520182 Accessed at: <https://hindawi.com/journals/ecam/2011/520182/>

¹³⁸ Wolfe MM, Lichtenstein DR, Singh G. Gastrointestinal toxicity of nonsteroidal anti-inflammatory. *N Engl J Med* 1999; 340:1888–1899. Accessed at <https://www.neim.org/doi/full/10.105624.8.99906173402407>

study, one hundred twenty-nine adults who had suffered from low back pain for an average of seven years were treated with individualized homeopathic medicines over the course of the next two years.¹³⁹ At the end of that time, there were significant reductions in the severity of their symptoms, their quality of life improved, and their use of conventional health services and drugs decreased markedly. In a randomized, double-blind trial comparing a homeopathic gel with a topical NSAID for osteoarthritis of the knee, the homeopathic gel was at least as effective, if not more so, than the NSAID.¹⁴⁰

Alzheimer's Disease and Dementia

One subject about which I have particular concern is the growing incidence of dementia, which I believe is partly caused by the overuse of conventional drugs. The Alzheimer's Association estimates that one in nine people over age sixty-five in the US has this disease.^{141, 142} By 2050, they estimate this number will triple—from five million to as many as sixteen million people, each one with a family that is burdened financially and emotionally by the disease. Mental impairment and dementia are associated with many of the most commonly prescribed medications for high cholesterol, acid reflux, allergies, anxiety, urinary incontinence, and depression. This comes as no surprise to those of us who have studied homeopathy since we know that suppressing physical symptoms only drives disease deeper to the mental and emotional levels. Instead of enhancing health, conventional medications are making people sicker. Yet many, if not all, of these health problems, can be successfully treated with homeopathy.

I am optimistic that this epidemic of over-medication will subside as more and more people become aware of the dangers of taking so many drugs. Just as we look back with honor at the use of leeches and bleeding two centuries ago, my hope is that in the future, people will regard the current over-reliance on pharmaceutical drugs with equal dismay.

About the Author:

Jennifer Jacobs, MD, MPH is a retired family practice physician who specialized in homeopathy. She also has published ground-breaking homeopathic research in conventional medical journals. She served on the board of the AIH for many years and as its president from 2000–2003. Her forthcoming book, "Do You Really Need That Pill?" addresses more fully the disturbing epidemic of over-medication. It will be available on Amazon and elsewhere in June, 2018. You can follow her website, www.jenniferjacobsmd.com.

¹³⁹ Witt CIA Ludtke it Baur it et al lhomeopathic treatment of patients with chronic low back pain: A prospective observational study with 2 years' follow-up Clin J Pain. 2009. 25-334339 Accessed at <https://www.ncbi.nlm.nih.gov/pubmed/19590483>

¹⁴⁰ Van klaselen Red Fisher PA. A randomized controlled trial comparing topical piroxicam gel with a homeopathic gel in osteoarthritis of the knee. Rheumatol 2000- 39:714-719. Accessed at <https://www.ncbi.nlm.nih.gov/pubmed,0908088>

¹⁴¹ Alzheimer's Association. 2016 Alzheimer's Facts and Figures. Accessed at <https://www.alz.org/alzheimers-dementia/facts-figures>

¹⁴² Fontana RJ. Acute liver failure including acetaminophen overdose. Med Clin North Am. 2008- 92:761-794. Accessed at <https://www.ncbi.nlm.nih.gov/pubmed/18570942>

Homeopathy *and* Ophthalmology



Edward Kondrot, MD, DHT

Challenges in Conventional Ophthalmology Care

One of the more challenging problems in the management of ophthalmologic disease in the United States is the myriad of side effects resulting from conventional medical treatment.¹⁴³

These medication side effects reduce patient compliance, prolong suffering and increase both morbidity and mortality from these conditions. Homeopathic treatment, on the other hand, treats these eye illnesses without inducing medication related side effects, and in many cases (i.e., glaucoma) has been shown to reduce the need for conventional medications as well as the need to repeat them so frequently.¹⁴⁴

For example, intravitreal injections for conditions like wet macular degeneration are sometimes associated with severe

and intolerable side effects including endophthalmitis, glaucoma, retinal detachment, cardiovascular events and stroke. Because these injections are recommended monthly, or bimonthly, the cumulative risk of developing complications is significant.

Cost

The cost for these injections amounts to nearly 12% of the annual Medicare Part B budget. A recent 5-year analysis estimated that the total expenditure for these procedures alone has reached a staggering \$1.3 billion and continues to rise.¹⁴⁵ Several published articles in peer reviewed journals

¹⁴³ Radhakrishnan, S., MD, & Iwach, A., MD. (2016). Glaucoma Medications and their Side Effects. Retrieved December 17, 2018, from <https://www.glaucoma.org/gleams/glaucoma-medications-and-their-side-effects.php>

¹⁴⁴ Falavatjani, K. G., & Nguyen, Q. D. (2013). Adverse event and complications associated with intravitreal injection of anti-VEGF agents: a review of literature. *Eye* 27(7) 787. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3709385/>

¹⁴⁵ Medicare Spending on Anti-Vascular Endothelial Growth Factor Medications. Shriji Patel, MD. Correspondence information about the author MD Shriji Patel <https://www.sciencedirect.com/science/article/abs/pii/S2468653017305869>

demonstrate the benefits of using homeopathy in the management of these and other chronic eye diseases.^{146, 147, 148}



Homeopathic Medicine in Ophthalmology

Clinical (unpublished) data on the co-administration of homeopathic medicine demonstrates a reduction in the need and frequency for intraocular injections, a reduction in the complication rate from these injections, and a reduction in the cost of treatment.

Homeopathic medicine has been shown to be extremely effective in the treatment of both conjunctivitis' and dry eyes, two conditions whose combined cost is more than \$4.43 billion annually.^{149, 150} Homeopathic treatment is far less costly and in some cases much more effective than conventional treatment without inducing antibiotic resistance or recurrent infections.

Other published data demonstrate the benefit of using homeopathic medicine in many other ophthalmic conditions

including the treatment of ocular trauma,¹⁵¹ conjunctivitis,^{152, 153, 154} epidemic conjunctivitis,^{155, 156, 157} diabetic retinopathy,¹⁵⁸ neonatal ophthalmic infections,¹⁵⁹ hemorrhagic conjunctivitis,¹⁶⁰ myopia,^{161, 162} and prevention (homeoprophylaxis) of conjunctivitis.¹⁶³

Many ophthalmologic conditions have been shown to respond favorably to homeopathic treatment without inducing side effects commonly associated with conventional medical treatments. There are distinct advantages to using homeopathy in the treatment of both acute and chronic ophthalmic conditions that FDA and other agencies should consider in determining the usefulness of using homeopathy in primary care.

About the Author

Edward C. Kondrot, MD, DHT has been in private practice of ophthalmology for the past thirty years. He has published three books on the natural treatment of Eye disease and the design of residential intensives for multi-modal natural therapies for chronic eye conditions. He is Board Certified by the American Board of Ophthalmology

¹⁴⁶ Andrea AAC, Gonzalez, HC, Sanchez, C, et al. Uso del arnica y el phosphorus en el tratamiento del hifema traumatico. Rev Med Homeopat 2009. <https://docplayer.es/58017337-Revista-medica-de-homeopatia.html>

¹⁴⁷ Fayard AL. Traitement de l'irritation oculaire par un collyre homéopathique associant Euphrasia Calendula et Magnesia carbonica (HOMEOPTIC). Proceedings 63st Congress LMHI 2008

<https://www.homeopathy.gr/files/sfh-lhmi-congress-2008.pdf>

¹⁴⁸ Clinical Notes: Kondrot BC, submitted October 2018.

¹⁴⁹ <https://homeopathychoice.org/wp-content/uploads/2019/01/A-Cam-of-Vitritis-i-ritis-Panuveitis-and-Retinal-Hemorrhage.pdf>

¹⁵⁰ Verma, DK, Verma, SK, Atray 7P, et al. Homeopathy and epidemic viral conjunctivitis A single blind study. Homeopathic Links 2013;26:58-62.

<https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0032-1328150>

¹⁵¹ Krislanamurty PS. Conjunctivitis epidemic- India 1996 - Improving the success of homeopathy. *Proceedings 52nd LM711 Congress* 1997.

¹⁵² De TK, Pramanik MS..Research study of homoeopathic drops in conjunctivitis epidemic. CCRH 1983.

<https://www.ccrhindia.nic.in/adminis/admin/showing.aspx?ID=13202>.

¹⁵³ Kumta PS. The effectiveness of homeopathic medicines in epidemic acute viral conjunctivitis. *Hahnemann Gleanings* 1977;44:272-276.

¹⁵⁴ Zicari D, Ricciotti F, Vingolo EM. Et al. Evaluation of the angioprotective action of arnica preparations in the treatment of diabetic retinopathy. *Boll Oculist* 1992. https://www.researchgate.net/publication/291208543_Valutazione_dell'azione_angioprotettiva_dell'arnica_nel_trattamento_della_retinopatia_dias_betica.

¹⁵⁵ Stoffel L, Zimmemaan, D, Hunkeler R, et al. Eurasia-Augentropfen bei Neugeborenen: Ein Pilotprojekt *Schweizerische Zeitschrift für Ganzheitsmed*. 2007. <https://www.karger.com/Article/Abstract/283798>.

¹⁵⁶ Varela JMR, Rodriguez, MC, Diaz JHT, et al. Terapeutica homeopitica en la Queratomajunatitis Epidemica. *La Homeopatia de Mexico* 1995.

¹⁵⁷ Basu TK. A clinical study of Physostigma venosum in the improvement of progressive myopia. *Hahnemann Gleanings* 1981.

¹⁵⁸ Basu TK. Studies on the role of Physostigma venosum in the improvement of simple myopia. *Hahnemann Gleanings* 1980;48:161-169.

¹⁵⁹ Mokkaapati R. An experimental double-blind study to evaluate the use of Euphrasia in prevention conjunctivitis. *British Homeopathic Journal* 1992. <https://www.sciencedirect.com/science/article/pii/S0007078505802881>

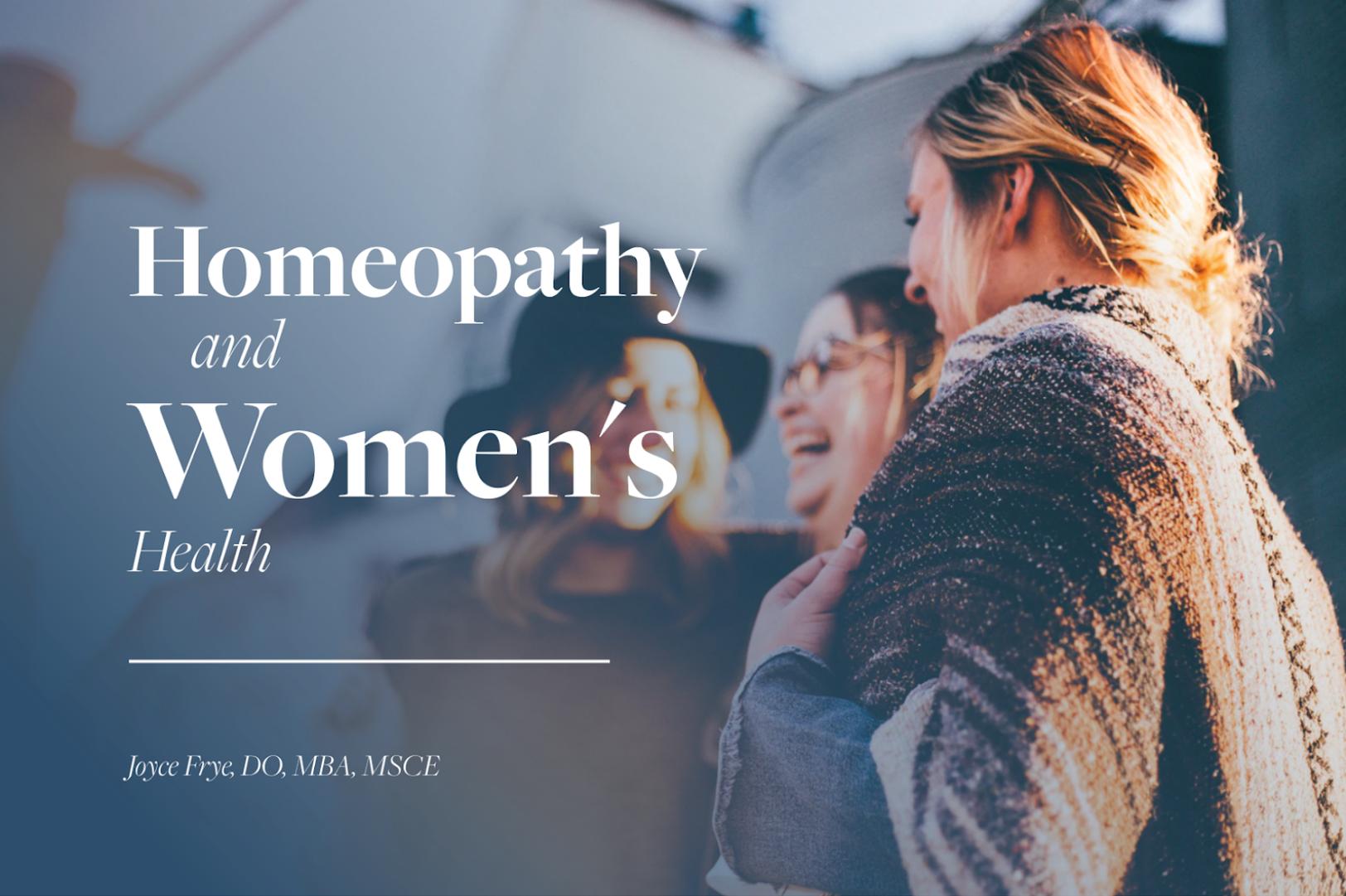
¹⁴⁶ Kondrot EC. The Use of Homeopathy in the treatment of chronic disease Eye Disease from a homeopathic Perspective. *Am J Homeop Med* 2012;105(3): 108-112. <http://www.healingtheeye.com/Articles/Homeo-eve-disease.pdf>

¹⁴⁷ Kondrot EC. Three Cases of ARMD. *Am J Homeop Med* 2017; 110(4): 20-25. <https://tinyurl.com/HomeouathyChronicEyeDisease>

¹⁴⁸ Whitmont RD. A Case of Vitritis, iritis-Panuveitis and Retinal Hemorrhage. *Am J Homeop Med* 2018;111(3).

¹⁴⁹ Smith AF, Waycaster C. Estimate of the direct and indirect annual cost of bacterial conjunctivitis in the United States. *HMG Ophthalmia*. 2009; 9: 13. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2791746/>

¹⁵⁰ Yu IL, Asche CV, Fairchild CI. The economic burden of dry eye disease in the United States: a decision tree analysis. *Cornea* 2011;30(4):379- 87. doi: 10.1097/Co.0b13e3181f7f363. <https://www.ncbi.nlm.nih.gov/pubmed/21045640>



Homeopathy *and* Women's *Health*

Joyce Frye, DO, MBA, MSCE

The status of women's health in the United States leaves much to be desired. Perinatal mortality is increasing with significant racial disparities, and the cesarean delivery rate with its associated morbidities is unacceptably high.¹⁶⁴ There is a paucity of new drug development for perinatal conditions.¹⁶⁵ More than 200,000 women are newly diagnosed with breast cancer each year.¹⁶⁶ Research in homeopathy pertaining to women's health is incomplete due to scientific disparagement and substantial barriers in funding, yet it offers useful insight into potential steps forward that would significantly enhance the health and quality of life of women and their families in the U.S. A review of some of this research follows.

Infertility

Infertility affects more than 10% of reproductive age women in the U.S.¹⁶⁷ due to multiple factors such as irregular menses, endometriosis, tubal factors, and early miscarriages. Both animal and human data contribute support to possible homeopathic interventions. In one study, in vitro evaluation of homeopathic medicine demonstrated increased viability and ultrastructural integrity of follicles after 7 days of culture ($p < 0.05$). This group also showed higher follicle and oocyte growth than a-MEM+ controls ($p < 0.05$).¹⁶⁸

A German study of infertility comparing homeopathy with placebo in 96 women resulted in twice as many pregnancies in the homeopathic group, but only one-third of adverse events when compared with the placebo group. The authors noted that in more than 1000 patients followed in post-marketing

¹⁶⁴ <https://www.nytimes.com/2016/09/22/health/maternal-mortality.htm>

¹⁶⁵ Fisk NM, Atun R. "Systematic Analysis of Research Underfunding in Maternal and Perinatal Health." *BJOG: An International Journal of Obstetrics and Gynaecology* 2009;116(3): 347–56. <https://doi.org/10.1111/j.1471-0528.2008.02027.x>.

¹⁶⁶ <https://www.cdc.gov/cancer/uscs/index.htm>

¹⁶⁷ <https://www.cdc.gov/nchs/fastats/infertility.htm>

¹⁶⁸ Lima L, Ferreira de R, Magalhaes' s P, et al. "Dynamized Follicle-Stimulating Hormone Affects the Development of Ovine Preantral Follicles Cultured in Vitro." *Homeopathy* 2013;102(1): 41–48.

surveillance there was a 60% success rate with homeopathic treatment.¹⁶⁹

A case series of female infertility in Greece demonstrated similar results of the effectiveness of homeopathy.¹⁷⁰ Individualized homeopathic treatment of menstrual irregularities, including oligomenorrhea, amenorrhea, and oligo-amenorrhea demonstrated improvement rates of 50% with amenorrhea, and 100% with oligomenorrhea.¹⁷¹ A randomized controlled study of 50 Brazilian women demonstrated significant improvement of endometriosis following the administration of homeopathic medicine. The intervention group experienced a significant reduction in endometriosis symptoms while subjects in the placebo group saw no change. Significant improvements in secondary outcomes including anxiety, depression, and quality of life were also noted in the homeopathic group.¹⁷²

A case series of eight consecutive patients with endometriosis all demonstrated significant clinical and laparoscopic improvement while utilizing homeopathic treatment.¹⁷³ A prospective multicenter observational study of 128 women with dysmenorrhea compared homeopathic treatment in primary care with conventional treatment. Both diagnosis, complaints of severity and use of other healthcare services improved markedly in the homeopathic group but only slightly in the conventional treatment group. Patients with dysmenorrhea consistently unproved under homeopathic treatment.¹⁷⁴

Homeopathy demonstrates efficacy in the treatment of patients with fibromyoma of the uterus. A study of 84 patients receiving homeopathic treatment were evaluated with pelvic examination and real-time ultrasound and demonstrated both interruption of growth and reduced tumor size, reduced pain

and abnormal endometrial bleeding over a period of three years.^{175, 176}



Pregnancy

Homeopathic treatment shortened the duration of labor by an average of 90 minutes in a double-blinded placebo controlled study with age-matched controls in a University-based trial in Italy ($p < 0.05$).¹⁷⁷

Both false labor and cessation of labor were effectively treated with homeopathic medicine in a double-blinded placebo-controlled randomized clinical trial at the University of Limoges. No adverse events were reported.¹⁷⁸

In another double-blind, randomized placebo-controlled trial of 53 subjects at Universite Rene Descartes, homeopathic treatment not only shortened labor by an average of 3.5 hours ($p < 0.001$), but significantly reduced the incidence of dystocia to 11.3% in the homeopathic group compared with 40% in the placebo controls ($p < 0.01$). No adverse events were reported.¹⁷⁹

An unpublished manuscript of 20 participants at the Maternite de la Clinique Saint-Jean (Roubaix, France) treated for dystocia while in labor using a homeopathic protocol

¹⁶⁹ <https://doi.org/10.1016/j.homp.2012.11.002>. Gerhard I, Patek A, Monga B, et al. "Mastodynon(R) Bei Weiblicher Sterilitat." *Forschende Komplementarmedizin* 1998;5(6): 272-78. <https://doi.org/10.1159/000021154>.

¹⁷⁰ Kalampokas T, Botis S, Kedikgianni-Antoniou A, et al. "Homeopathy for Infertility Treatment: A Case Series." *Clinical and Experimental Obstetrics & Gynecology* 2014;41(2):158-59.

¹⁷¹ Cardigno P. "Homeopathy for the Treatment of Menstrual Irregularities: A Case Series." *Homeopathy* 2009;98(2): 97-106. <https://doi.org/10.1016/j.homp.2009.01.004>.

¹⁷² Teixeira MZ, Podgaec S, Chada Baracat E. "Potentized Estrogen in Homeopathic Treatment of Endometriosis-Associated Pelvic Pain: A 24-Week, Randomized, Double-Blind, Placebo-Controlled Study." *European Journal of Obstetrics and Gynecology and Reproductive Biology* 2017;21: 48-55. <https://doi.org/10.1016/j.ejogrb.2017.01.052>.

¹⁷³ Hunton, M. "Endometriosis and Homeopathy: An Audit Study of 8 Consecutive Patients." *British Homeopathic Journal* 1993;82(2): 92-96. [https://doi.org/10.1016/S0007-0785\(05\)81031-2](https://doi.org/10.1016/S0007-0785(05)81031-2)

¹⁷⁴ Witt, CM, Ludtke R, Willich SN. "Homeopathic Treatment of Patients with Dysmenorrhea: A Prospective Observational Study with 2 Years Follow-Up." *Archives of Gynecology and Obstetrics* 2009;280(4): 603-11. <https://doi.org/10.1007/s00404-009-0988-1>.

¹⁷⁵ Gupta G. Uterine fibroids, A clinical study with USG follow-up. *Natl J Homoeopath* 2003;5(3): S. 172-179.

¹⁷⁶ Gupta G.: Evidence based clinical study of uterine fibroid cases in response to homeopathy. *Natl J Homoeopath* 2010,12(8):39-48

¹⁷⁷ Eid P, Felisi E, Sideri M. "Applicability of Homeopathic Caulophyllum Thalictroides during Labour." *British Homeopathic Journal* 1983; 82: 245--248.

¹⁷⁸ Deguillaume M. "Etude Experimentale de l'action Du Caulophyllum Dans Le Faux Travail et La Dystocie de Demarrage." *Universite de Limoges*, 1981.

¹⁷⁹ Dorfman P, Tetau M. "Preparation a l'accouchement par homeopathic." *Cahiers de Biotherapie*, 1995;134: 33-38.

demonstrated improved labor progress with no apparent or reported adverse events.¹⁸⁰

An unblinded randomized study of 206 women at high risk of uterine contractile function disturbances compared homeopathic treatment with conventional medical care. The homeopathically treated group required less use of hypnotics, oxytocin, cesarean section, forceps, or manual delivery of placenta ($p < 0.05$).¹⁸¹

A double-blind, placebo-controlled, randomized, clinical trial conducted by the Department of Gynecology, Shaare Zedek Medical Center, Jerusalem evaluated the effect of homeopathic treatment in 40 parturients with postpartum blood loss. Blood loss in the homeopathic group was significantly less than in the placebo group ($p < 0.05$)¹⁸²

In a prospective, comparative, randomized placebo-controlled trial evaluating the incidence of quinine-induced side-effects in endemic gestational malaria in 211 women, homeopathy significantly improved outcome and reduced side-effects when compared with placebo ($p < 0.0001$).¹⁸³

Homeopathy has been successfully utilized in midwifery practice as numerous journal articles and texts describe during the perinatal period for labor preparation, intrapartum and postpartum applications as well as for menopausal symptoms and:

- Induction of labor.¹⁸⁴
- General midwifery.¹⁸⁵
- Prolonged pregnancy.¹⁸⁶
- Use of a homeopathic childbirth kit.¹⁸⁷

- General obstetrics.¹⁸⁸
- Pregnancy and childbirth.¹⁸⁹
- The pre-conceptual period.¹⁹⁰
- Women's health, and the need for a research agenda.¹⁹¹
- The menopause.¹⁹²

Lactation

Seventy-one patients were included in a double-blind placebo-controlled study of pain or difficulty during lactation. Those treated homeopathically noted significant improvement of lactation pain ($p < 0.01$), breast tension and spontaneous milk flow ($p < 0.05$).¹⁹³

Premenstrual syndrome/dysphoria

In an observational, prospective study of 23 women treated homeopathically for premenstrual syndrome, a statistically significant reduction of symptoms was noted ($p < 0.0001$). Most women treated homeopathically also reported significant quality of life improvements ($p < 0.0001$).¹⁹⁴

A randomized, controlled double-blind clinical trial conducted at Hadassah Hospital outpatient gynecology clinic in Jerusalem, Israel evaluated homeopathic treatment of premenstrual syndrome in 21 women. Significant reduction of symptoms was noted in >90% of women receiving homeopathic treatment ($P = 0.048$).¹⁹⁵

Individualized homeopathic prescribing for PMS was evaluated using a computerized diagnostic algorithm in 30

¹⁸⁰ Ducloy M. "Interet de trois remèdes homéopathiques au cours de l'accouchement: Actea racemosa, Caulophyllum, Gelsemium." 1983. Boiron, Newtown Square, PA.

¹⁸¹ Ventoskovskiy BM, Popov AV. "Homeopathy as a Practical Alternative to Traditional Obstetric Methods." *Br Homeopath J* 2018;79(4): 201-5. [https://doi.org/10.1016/S0007-0785\(05\)80452-1](https://doi.org/10.1016/S0007-0785(05)80452-1).

¹⁸² Oberbaum M, Galoyan N, Lerner-Geva L, et al. "The Effect of the Homeopathic Remedies Arnica Montana and Bellis Perennis on Mild Postpartum Bleeding—A Randomized, Double-Blind, Placebo-Controlled Study—Preliminary Results." *Complementary Therapies in Medicine* 2005;13(2): 87-90. <https://doi.org/10.1016/j.ctim.2005.03.006>.

¹⁸³ Danno K, Rerolle F, de Sigalony S, et al. "China Rubra for Side-Effects of Quinine: A Prospective, Randomised Study in Pregnant Women with Malaria in Cotonou, Benin." *Homeopathy* 2014;103(3):165-71. <https://doi.org/10.1016/thomp.2014.03.002>

¹⁸⁴ Kistin SJ, Newman AD. "Induction of Labor with Homeopathy: A Case Report" *Journal of Midwifery & Women's Health* 2007;52(3): 303-7. <https://doi.org/10.1016/j.jmwh.2006.12.013>

¹⁸⁵ Smith V. "Evidence for Homeopathy in Childbirth." *The Practicing Midwife* 2013;16(8): S10-12.

¹⁸⁶ Steinberg D, Beal MW. "Homeopathy and Women's Health Care." *Journal of Obstetric, Gynecologic & Neonatal Nursing* 2003;32(2):207-14. <https://doi.org/10.1177/0884217503252125>.

¹⁸⁷ Steen M, Calvert J. "Self-Administered Homeopathy Part Two: A Follow-up Study." *British Journal of Midwifery* 2007;15(6):359-65. <https://doi.org/10.12968/bjom.2007.15.6.23680>

¹⁸⁸ Munstedt K, Brenken A, Kalder M. "Clinical Indications and Perceived Effectiveness of Complementary and Alternative Medicine in Departments of Obstetrics in Germany: A Questionnaire Study." *European Journal of Obstetrics & Gynecology and Reproductive Biology* 2009;146(1): 50-54. <https://doi.org/10.1016/j.ejogrb.2009.05.013>.

¹⁸⁹ Kalder M, Knoblauch K, Hrgovic I, et al. *Arch Gynecol Obstet* 2011;283: 475. <https://doi.org/10.1007/s00404-010-1388-2>

¹⁹⁰ Kaplan B. "Homoeopathy: 2. In Pregnancy and for the under-Fives." *Professional Care of Mother and Child* 1994;4(6):185-87. 2.

¹⁹¹ Murphy PA, Kronenberg F, Wade C. "Complementary and Alternative Medicine in Women's Health. Developing a Research Agenda." *J Nurse-Midwifery* 1999;44(3):192-204.

¹⁹² Katz T. "Homoeopathic Treatment during the Menopause" *Complementary Therapies Nursing & Midwifery* 1997;3(2): 46-50

¹⁹³ Berrebi A, Parant o, Ferval F, et al. "Treatment of Pain Due to Unwanted Lactation with a Homeopathic Preparation given in the Immediate Post-Partum Period" *Journal de Gynecologie, Obstétrique et Biologie de La Reproduction* 2001;30(4): 353-357. <http://europepmc.org/abstract/MED/11431615>.

¹⁹⁴ Danno K, Colas A, Terzan L, et al. "Homeopathic Treatment of Premenstrual Syndrome: A Case Series." *Homeopathy* 2013;102(1):59-65. <https://doi.org/10.1016/j.homp.2012.10.004>.

¹⁹⁵ Yakir M, Kreider S, Brzezinski A, et al. "Effects of Homeopathic Treatment in Women with Premenstrual Syndrome: A Pilot Study" *Br Homoeopathic J* 2001;90(3):148-53. <https://doi.org/10.1038/sj/bhj/5800491>

patients. Symptom scores improved by 50% or more in 12 patients, and by 30-50% in an additional 6 patients.¹⁹⁶ A multi-center, international, randomized, controlled pragmatic trial of two parallel groups investigated the feasibility of individualized homeopathic add-on treatment using a semi-standardized computerized algorithm in 60 women with premenstrual disorders compared with conventional care only. After four months, the relative mean change of symptom scores in the homeopathically treated group was significantly better than in the conventional group ($p = 0.0028$)¹⁹⁷ A series of cases of hyper-estrogenic breast disease benefiting from homeopathic treatment were presented and reviewed.¹⁹⁸

Surgery

A two-year study evaluating benefits of homeopathy on post-operative blood loss and seroma production in 53 women undergoing unilateral total mastectomy demonstrated statistically significant reduction of intra and post-operative blood loss.¹⁹⁹

Menopause

For women who do not want to use, or cannot use, hormone replacement therapy, safe homeopathic alternatives exist. There are numerous excellent homeopathic drugs that can be purchased over the counter for these symptoms. A woman can also choose to be evaluated by a homeopathic practitioner and have an individualized program designed specifically for her health needs. Although there has been limited clinical research of homeopathic therapies for the menopause, when taken according to directions, they have the potential for being extremely safe and efficacious.²⁰⁰ Menopause is a highly variable adjustment period for some women. Homeopathy has been delivered within the UK

National Health Service since its inception and has been used to alleviate symptoms both in the climacteric, and more recently in breast cancer survivors. Individualized treatment by a homeopathic practitioner, regarded as the gold standard of homeopathic care, is a complex intervention where the homeopathic medicine is matched to a woman presenting with a range of symptoms such as hot flushes, sleep and mood disturbance, joint pains and fatigue.²⁰¹ An audit of Sheffield's National Health Service Community Menopause Clinic revealed significant benefits from incorporating homeopathic treatments. The greatest response was seen in those reporting headaches, vasomotor symptoms, emotional psychological symptoms, and tiredness/fatigue as their primary symptoms during menopause.²⁰²

A retrospective, single cross-sectional descriptive study conducted on women experiencing vasomotor symptoms after withdrawal from hormone replacement therapy across the U.S. sampled 563 menopausal women and revealed that nearly half used complementary and alternative medicine including homeopathy.²⁰³

A multicenter, randomized, double-blind, placebo-controlled study conducted in 35 active centers in France evaluating the use of homeopathy in reducing hot flashes in menopausal women studied 101 menopausal women. Global symptoms demonstrated significant improvement in the homeopathic group compared with the placebo group ($p = 0.0411$). Treatment was well tolerated and no serious adverse effects were attributable to homeopathy.²⁰⁴

An open, multicenter, prospective, observational study to evaluate homeopathic treatment of menopausal women found it useful in relieving menopausal symptoms including hot flashes, night sweats, anxiety, palpitation, depression, and insomnia.²⁰⁵

¹⁹⁶ Klein-I aansma CT, Jansen JCH, van Tilborgh AJW, et al. "Semi-Standardised Homeopathic Treatment of Premenstrual Syndrome with a Limited Number of Medicines: Feasibility Study." *Homeopathy* 2010;99(3):192-204. <https://doi.org/10.1016/j.homp.2010.05.007>.

¹⁹⁷ Klein-Laansma C, Christien T, Jong M, et al. "Semi-Individualized Homeopathy Add-On Versus Usual Care Only for Premenstrual Disorders: A Randomized, Controlled Feasibility Study." *J Alternative Complementary Medicine* 2018; 24(7):684-93. <https://doi.org/10.1089/acm.2017.0388>.

¹⁹⁸ Jones A. "Homeopathic Treatment for Premenstrual Symptoms." *J Family Planning Reproductive Health Care* 2003;29(1):25. <https://doi.org/10.1783/147118903101196855>.

¹⁹⁹ Sorrentino L, Piraneo S, Riggio E, et al. "Is There a Role for Homeopathy in Breast Cancer Surgery? A First Randomized Clinical Trial on Treatment with Arnica Montana to Reduce Post-Operative Seroma and Bleeding in Patients Undergoing Total Mastectomy." *J Intercultural Ethnopharmacology* 2017;6(1): 1-8. <https://doi.org/10.5455/jice.20161229055245>.

²⁰⁰ Kass-Annese B. "Alternative Therapies for Menopause." *Clinical Obstetrics and Gynecology* 2000;43(1): 162-83. 3.

²⁰¹ Thompson EA. "Alternative and Complementary Therapies for the Menopause: A Homeopathic Approach." *Maturitas* 2010;66(4): 350-54. <https://doi.org/10.1016/j.maturitas.2010.02.003>.

²⁰² Relton C, Weatherley-Jones E. "Homeopathy Service in a National Health Service Community Menopause Clinic: Audit of Clinical Outcomes." *J British Menopause Society* 2005;11(2): 72-73.

²⁰³ Kupferer EM, Dormire SL, Becker H. "Complementary and Alternative Medicine for Vasomotor Symptoms Among Women Who Have Discontinued Hormone Therapy" *J Obstetric, Gynecologic Neonatal Nursing* 2009;38(1):50-59. <https://doi.org/10.1111/j.1552-6909.2008.00305.x>.

²⁰⁴ Trial registration number (EudraCT): 2009-016959-21. Bordet MF, Colas A, Marijnen P, et al. "Treating Hot Flushes in Menopausal Women with Homeopathic Treatment—Results of an Observational Study." *Homeopathy* 2008;97(1): 10-15. <https://doi.org/10.1016/j.homp.2007.11.005>.

²⁰⁵ Chaturbhujia N, Singh V, Singh K, et al. "Management of Distress during Climacteric Years by Homeopathic Therapy." *J Alternative Complementary Med* 2011;17(11):1037-42. <https://doi.org/10.1089/acm.2010.0301>.

Breast cancer

A prospective observational study of individualized homeopathic treatment of estrogen withdrawal in 40 women with breast cancer demonstrated significant improvement in withdrawal symptoms as well as fatigue, mood disturbances, anxiety, depression, and quality of life.²⁰⁶

A randomized, double-blind placebo-controlled trial of 83 breast cancer survivors with hot flashes from estrogen withdrawal demonstrated a significant positive trend towards fewer hot flashes after individualized homeopathic treatment.²⁰⁷

Nine patients suffering from a high level of pain after breast cancer therapy, despite use of standard postoperative treatment with conventional analgesics, were treated homeopathically and experienced a marked reduction in pain. Similarly, health-related quality of life also improved.²⁰⁸

A randomized, double-blind placebo-controlled trial of 66 women with breast cancer undergoing radiotherapy demonstrated that homeopathy was effective in preventing and treating acute radiodermatitis and was statistically more effective than placebo.²⁰⁹

Homeopathic treatment of radiation-induced itching following breast cancer surgery was found effective in 84% of women.²¹⁰

A prospective, unrandomized observational study to evaluate the effectiveness of preventing aromatase inhibitor-associated joint pain and/or stiffness in 40 women with early, hormone-receptor positive, breast cancer, demonstrated a significant difference in the homeopathic treated group ($p =$

0.0001), while members of the control group exhibited an increased need for analgesics ($p = 0.0076$).²¹¹

In vitro effects of homeopathic medicines on cancer cells demonstrate highly significant results initiating cytotoxicity, apoptosis, cell shrinkage, chromatin condensation, and DNA fragmentation while decreasing cancer cell proliferation, and providing preliminary laboratory evidence indicating the ability of homeopathic medicines to act as anticancer agents. Homeopathic medicines exhibited a concentration-dependent anti-proliferative effect on breast cancer cells (MCF-7) in vitro, while having no effect on non-malignant mammary epithelial cells (MCF-10A).²¹²

Four different homeopathic medicines were studied to determine their effects on two human breast adenocarcinoma cell lines (MCF-7 and MDA-MB-231) and a cell line derived from immortalized normal human mammary epithelial cells (HMLE). The medicines exerted preferential cytotoxic effects against the two breast cancer cell lines, causing cell cycle delay/arrest and apoptosis accompanied by altered expression of the cell cycle regulatory proteins, downregulation of phosphorylated Rb and upregulation of the CDK inhibitor p27. The findings demonstrate active biological activity of homeopathic products.²¹³

Homeopathic induced tumor regression was studied using Trypan blue dye-exclusion, flow cytometry, Western blot, reverse transcriptase-PCR techniques, siRNA transfections and inhibitor studies to validate the p53 pathway of induced apoptosis in Ehrlich's ascites carcinoma (EAC) - and Sarcoma-180 (S-180) in mice. Homeopathic medicine prevented loss of effector T-cell repertoire, reversed type-2 cytokine bias and attenuated tumor-induced inhibition of T cell proliferation in tumor-bearing hosts, which translates as enhanced anti-tumor activity.²¹⁴

Antitumorigenic activity of homeopathic medicine was evaluated, and the molecular mechanisms of apoptosis and

²⁰⁶ Thompson EA, Reilly D. "The Homeopathic Approach to the Treatment of Symptoms of Oestrogen Withdrawal in Breast Cancer Patients. A Prospective Observational Study." *Homeopathy* 2003;92(3):131-34.
[https://doi.org/10.1016/S1475-4916\(03\)00035-3](https://doi.org/10.1016/S1475-4916(03)00035-3).

²⁰⁷ Jacobs S, Herman P, Heron P, et al. "Homeopathy for Menopausal Symptoms in Breast Cancer Survivors: A Preliminary Randomized Controlled Trial." *J Alternative Complementary Med* 2005;(11)11-27.
<https://doi.org/10.1089/acm.2005.11.21>

²⁰⁸ Orellana Alvarillos G, Ruiz de Vinaspre Alvear P, Kaszkin-Bettag M. "A Series of Case Reports: Clinical Evaluation of a Complex Homeopathic Injection Therapy in the Management of Pain in Patients after Breast Cancer Treatment." *Alternative Therapies Health Medicine* 2010;16(1): 54-59.

²⁰⁹ Balzarini A, Felisi E, Martini A, et al. (2000). "Efficacy of homeopathic treatment of skin reactions during radiotherapy for breast cancer: a randomised, double-blind clinical trial." *Brit Homeopathic J* 2000;89(1):8-12.

²¹⁰ Schlappack O. "Homeopathic Treatment of Radiation-Induced Itching in Breast Cancer Patients. A Prospective Observational Study." *Homeopathy J Faculty Homeopathy* 2004;93(4): 210-15.

²¹¹ Karp JC, Sanchez C, Guilbert P, et al. Treatment with Ruta Graveolens 5CH and Rhus Toxicodendron 9CH May Reduce Joint Pain and Stiffness Linked to Aromatase Inhibitors in Women with Early Breast Cancer: Results of a Pilot Observational Study." *Homeopathy* 2016;105(4): 299-308.
<https://doi.org/10.1016/j.homp.2016.05.004>.

²¹² Ahn KH, Yi KW, Park HT, et al. "Anti-Proliferative Effect of Klimaktoplan® on Human Breast Cancer Cells." *Arch Gynecology Obstetrics* 2013;288(4):833-38.
<https://doi.org/10.1007/s00404-013-2849-1>.

²¹³ Frenkel M, Mishra BM, Sen S, et al. "Cytotoxic Effects of Ultra-Diluted Remedies on Breast Cancer Cells." *International J Oncology* 2009;36(2).
https://doi.org/10.3892/ijo_00000512.

²¹⁴ Saha S, Hossain DMS, Mukherjee S, et al. "Calcarea Carbonica Induces Apoptosis in Cancer Cells in P53-Dependent Manner via an Immuno-Modulatory Circuit." *BMC Complementary, Alternative Med* 2013;13(1):230. <http://www.biomedcentral.com/1472-6882/13/230/>.

functional p53-expression of mammary epithelial carcinoma cells was elucidated demonstrating abrogation of intracellular reactive oxygen species (ROS), prevention of p53-activation, knockdown of p53 or inhibition of its functional activity and significantly abridged ROS generation. These results open the horizon for developing a targeted therapy by modulating the redox status of functional p53-expressing mammary epithelial carcinoma cells using homeopathy.²¹⁵

Depression

In a prospective, randomized, double-blind double-dummy single-center trial, 91 outpatients with moderate to severe depression were assigned to receive either an individualized homeopathic medicine or fluoxetine 20 mg to 40 mg day. Results demonstrated no significant differences in responses or remissions between the two groups, and there were no significant differences between rates of side effects, but a higher percentage of patients treated with fluoxetine reported troublesome side effects leading to greater tendency toward treatment interruption.²¹⁶

A randomized, placebo-controlled, double-blind, double-dummy, superiority, three-arm trial in 133 peri- and post-menopausal women with moderate-to-severe depression demonstrated significantly superior response and remission rates from homeopathy compared with both placebo and Fluoxetine. No differences were observed in the Beck Depression Inventory, but homeopathy was superior to placebo in Greene Climacteric Scale, while Fluoxetine was not different from placebo in the same scale.²¹⁷

An epidemiological cohort study (EPI3) of 710 patients in general practice in France compared utilization of conventional psychotropic drugs among patients seeking care for anxiety and depression disorders from general practitioners who strictly prescribe conventional medicines (GP-CM), regularly prescribe homeopathy in a mixed practice (GP-Mx), or are certified homeopathic GPs (GP-Ho). Adjusted multivariate analyses showed that GP-Ho and GP-Mx patients

were less likely to use psychotropic drugs compared to GP-CM patients. The rate of clinical improvement was marginally superior for the GP-Ho group as compared to the GP-CM group. Those patients who chose to consult GPs prescribing homeopathy reported less use of psychotropic drugs, and were marginally more likely to experience clinical improvement, than patients managed with conventional car.²¹⁸ Thirty databases/sources were screened to identify 18 studies reporting the effects of homeopathy in treating depression, including a double-blind placebo-controlled trials of 91 patients demonstrating that it was non-inferior to fluoxetine at four ($p = 0.654$) and eight weeks ($p = 0.965$). A second trial of 133 patients found that homeopathy was comparable to fluoxetine ($p = 0.082$) and superior to placebo ($p < 0.005$) at six weeks. A third non-placebo-controlled randomized controlled trial found homeopathy comparable to fluvoxamine. A cohort study of patients receiving homeopathic treatment reported significantly lower use of psychotropic drugs and improved depression. Patient-reported outcomes demonstrated at least moderate improvement in 10 out of 12 uncontrolled studies. All adverse events were mild or moderate, and transient. No evidence suggested that homeopathic treatment was unsafe.²¹⁹

Fibromyalgia

A double-blind, randomized, parallel-group, placebo-controlled trial of individualized homeopathy evaluating 53 women with fibromyalgia demonstrated significantly greater improvements in tender point count, tender point pain, quality of life, global health and a trend toward less depression when compared with those on placebo.²²⁰

A double-blinded, randomized, placebo-controlled clinical trial of 53 patients with physician-confirmed fibromyalgia characterized initial central nervous system responses to administration of homeopathic medicines in the right prefrontal region. Cordance findings correlated with subsequently reduced pain ($p=0.03$), better global health ($p=0.10$), and trait absorption ($p=0.012$) suggesting that

²¹⁵ Saha S, Bhattacharjee P, Mukherjee S, et al. Contribution of the ROS-p53 feedback loop in thuj-a-induced apoptosis of mammary epithelial carcinoma cells. *Oncology Reports* 2014; 31:1589-1598. <https://doi.org/10.3892/or.2014.2993>

²¹⁶ Adler UC, Paiva NMP, Cesar AT, et al. "Homeopathic Individualized Q-Potencies versus Fluoxetine for Moderate to Severe Depression: Double-Blind, Randomized Non-Inferiority Trial." *Evidence-Based Complementary Alternative Med: SCAM* 2011; 520182-520182. <https://doi.org/10.1093/ecam/nep114>.

²¹⁷ del Carmen Macias-Cortes E, Llanes-Gonzalez L, Aguilar-Faisal L, et al. "Individualized Homeopathic Treatment and Fluoxetine for Moderate to Severe Depression in Peri- and Postmenopausal Women (HOMDEP-MENOP Study): A Randomized, Double-Blind, Placebo-Controlled Trial." *PLoS ONE* 2015;10(3). <https://doi.org/10.1371/journal.pone.0118440>.

²¹⁸ Grimaldi-Bensouda L, Abenham L, Massol S, et al. "Homeopathic Medical Practice for Anxiety and Depression in Primary Care: The EPI3 Cohort Study." *BMC Complementary and Alternative Medicine* 2016;16: 125. <https://doi.org/10.1186/s12906-016-1104-2>.

²¹⁹ Viksveen P, Fibert P, Relton C. "Homeopathy in the Treatment of Depression: A Systematic Review." *European J Integrative Med* 2018;22:22-36. <https://doi.org/10.1016/j.eujim.2018.07.004>.

²²⁰ Bell IR, Lewis DA II, Brooks AJ, et al. "Improved Clinical Status in Fibromyalgia Patients Treated with Individualized Homeopathic Remedies versus Placebo." *Rheumatology* 2004;43(5):577-82. <https://doi.org/10.1093/rheumatology/keh111>.

prefrontal EEG-C's provide a reliable early biomarker of individualized homeopathic medicine response.²²¹

A randomized, placebo-controlled double-blind trial with a crossover phase of 48 patients with Fibromyalgia using individualized homeopathic medicine demonstrated EEG changes demonstrating progressive amplification of host responses. The study demonstrated significant increase signal strength, while the placebo group demonstrated a decrease in global alpha-1 and alpha-2 activity (p=0.003).²²²

In a pragmatic parallel group randomized controlled trial, adults with fibromyalgia were treated with or without adjunctive homeopathic care. The drop-out rate was significantly lower in the homeopathic care group, and there was a significantly greater mean reduction of total function score in the homeopathic group when compared with the conventional care group. The homeopathic group had significantly greater reductions in the McGill pain score, and fatigue and tiredness upon waking scores. There were no reported adverse events.²²³

Conclusion

Women's health in the U.S could be significantly improved by integrating homeopathy into the existing health care system. Potential benefits include lower costs, greater safety, improved efficacy and higher rates of patient and clinician satisfaction.

A substantial body of peer-reviewed research data already justifies the use of public funds to increase public awareness of homeopathy and promote physician education into its use. Homeopathy offers a unique system of medical therapeutics capable of significantly improving public health. Nowhere is that more evident than in the realm of Women's Health. Further research into the clinical application of homeopathy, exploring its mechanisms of action, ideal posology and potential for positively affecting public health is most certainly warranted.

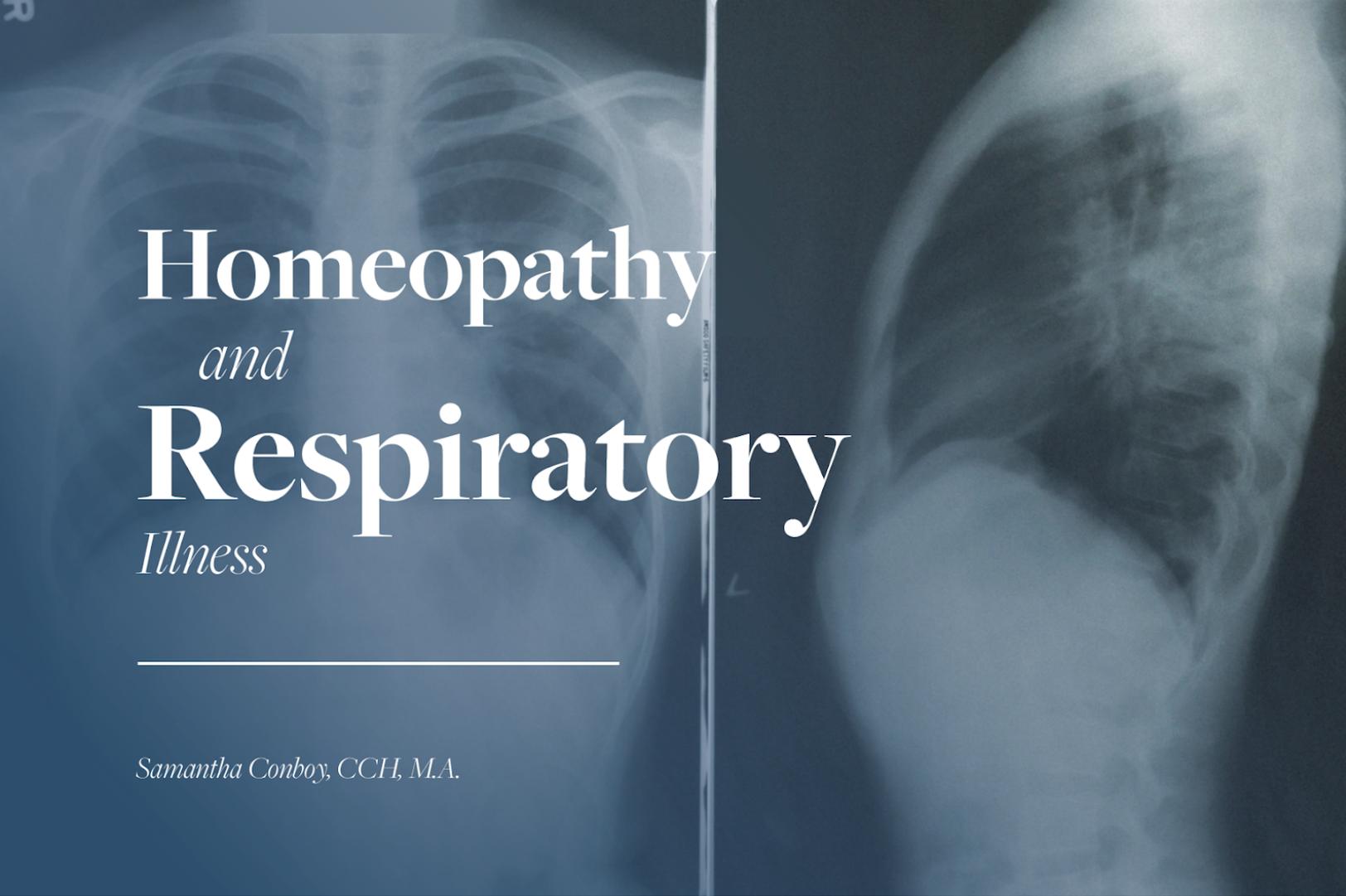
About the author:

Joyce Frye DO, MBA, MSCE is a retired obstetrician/gynecologist who was introduced to homeopathy through a series of coincidences. She began to study it seriously after her son who had been diagnosed with acute nephrotic syndrome responded to a homeopathic prescription in what his pediatric nephrologist described as a "miracle". She went on to serve as the president of both the National Center for Homeopathy and the American Institute of Homeopathy and as the Chair of the Pharmacopoeia Revision Committee of the Homeopathic Pharmacopoeia Convention of the United States. In acquiring her MS with the Center for Clinical Epidemiology and Biostatistics at the University of Pennsylvania, she focused on potential homeopathic interventions in obstetrics and obtained an IND for Blue Cohosh/Caulophyllum.

²²¹ Bell IR, Lewis DA, Schwartz GE, et al. "Electroencephalographic Cordance Patterns Distinguish Exceptional Clinical Responders with Fibromyalgia to Individualized Homeopathic Medicines." *J Alternative Complementary Med* 2004;10(2): 285-99. <https://doi.org/10.1089/act.2004.10.285>.

²²² Bell IR, Lewis DA, Lewis SE, et al. "EEG Alpha Sensitization in Individualized Homeopathic Treatment of Fibromyalgia." *Int J Neuroscience* 2004;114(6):1195-1220. <https://doi.org/10.1080/00207450490475724>

²²³ 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(2):77-82. <https://doi.org/10.1016/j.homp.2008.12.004>.



Homeopathy *and* Respiratory *Illness*

Samantha Conboy, CCH, M.A.

According to the Centers for Disease Control and Prevention (CDC), millions of Americans suffer from respiratory illnesses every year. Even short-lived respiratory infections affect health-related quality of life (HRQL) indices; and therapeutic interventions, like homeopathy, that help resolve these conditions in an expedient and healthy manner are highly sought after.²²⁴ Substantial evidence supports the use of homeopathic medicine in these conditions.

In April 2005, the European Committee for Homeopathy (ECH) evaluated the treatment of over 6,000 subjects using a Quality of Life questionnaire, finding that 89% of those with bronchial asthma improved rapidly while using homeopathy. These high rates were sustained when individuals were followed for 2 years or more. Sixty-seven percent of individuals with respiratory tract infections improved rapidly while using homeopathy compared to 56% of those who utilized conventional treatment during the same time

²²⁴ Linder JA, Singer DE. Health-related quality of life of adults with upper respiratory tract infections. *J Gen Intern Med* 2003; 18(10):802-7. <https://www.ncbi.nlm.nih.gov/pubmed/14521642>

period.²²⁵ These findings were consistently noted in both acute or chronic respiratory illnesses, leading the authors to conclude that homeopathy is a safe and natural solution that is effective in many common ailments of the respiratory tract.

Homeopathy and Upper Respiratory Tract Infections

Upper Respiratory Infections (URIs) affect millions of Americans each year and result in significant amounts of time lost both at work and in school. Most URIs are viral in origin, and thus unresponsive to antibiotic treatment, leaving those affected with few options other than over-the-counter medicines. For those with underlying chronic medical conditions, such as asthma or chronic obstructive pulmonary disease (COPD), a common cold can lead to serious

²²⁵ Van Wassenhoven M. Priorities and Methods for Developing the Evidence Profile of Homeopathy: Recommendations of the ECH General Assembly and XVIII Symposium of GIRL. *Homeopathy*; April 2005;94,107- 124. <https://www.sciencedirect.com/science/article/pii/S14754916050002512via%3Dihub>

complications including exacerbations of bronchitis or pneumonia.

An observational study performed in Germany evaluated 397 subjects with URIs. They compared the use of a complex homeopathic preparation, with conventional therapies including antihistamines, antitussives, and nonsteroidal anti-inflammatory drugs. Symptoms included fatigue, sensation of illness, chills/tremors, aching joints, overall severity of illness, sum total of all clinical variables, temperature, and time to symptomatic improvement. Seventy-seven percent (77%) of those receiving homeopathic treatment reported improvement in their symptoms within 3 days compared with only 61% of those who received conventional care. The authors of this study concluded that homeopathic treatment may be useful for providing relief of symptoms from the common cold.²²⁶

A placebo controlled randomized trial examined the efficacy of using homeopathy to treat young children with URIs and determined that there was a significant advantage gained by using homeopathy when compared with placebo. Symptoms of sneezing and cough, as well as the accumulated cold scores were significantly improved at both the first and the second assessments among those receiving the homeopathic treatment compared to those in the placebo group. This study showed that a homeopathic medicine is effective in reducing the severity of cold symptoms within the first day after beginning treatment.²²⁷

Another study of 169 children under 10 years of age, diagnosed with URIs, randomly assigned them to receive either homeopathic treatment, or allowed them to utilize self-selected conventional therapies. They found a significant difference in the median total symptom score for the homeopathy group (24 points) versus the control group (44 points) ($p = 0.026$). There was also a statistically significant difference between the number of days that symptoms persisted in the two groups. The homeopathic treatment group experienced symptoms for an average of 8 days compared with the self-selected therapy group, whose symptoms persisted for an average of 13 ($p = 0.006$).



Homeopathy and Sinus Infections

The CDC reports that sinusitis affects 26.9 million adults in the US and is one of the most common chronic infections in the nation. Rhinovirus, the most common cause of acute sinusitis, also triggers exacerbations of asthma and other chronic conditions. A randomized placebo-controlled study of 42 participants examined the efficacy and safety of a homeopathic combination medicine in the treatment of sinusitis. The study measured total nasal symptoms scores (TNSS) over a 2-week period and evaluated changes in individual symptom scores (ISS) over the same time frame.

Mean TNSS and ISS were noted after single dosing at various time periods over 60 minutes. Variables analyzed included rhinitis quality-of-life, rescue medication use, and safety endpoints. The homeopathically treated group exhibited significantly better improvements in TNSS and ISS ($P < .01$). The homeopathic treatment group had a better average time to first relief versus the placebo group ($P < .01$). The study also noted improvement in nasal congestion, sinus pain, sinus pressure, and headache at 5, 10, 15, and 30-minute intervals, persisting at 60 minutes for nasal congestion and sinus pain ($P < .05$).²²⁸

Another randomized, double-blind, placebo-controlled clinical trial looked at the effectiveness of a complex homeopathic medication in the treatment of acute maxillary sinusitis (AMS). One hundred and thirteen (113) patients with radiography-confirmed AMS participated in a 22 day trial with 8 weeks follow-up. Outcome measures included a change in the sinusitis severity score (SSS) from baseline.

²²⁶ Klein-Dipl P, Schmiedel V. A Complex Homeopathic Preparation for the Symptomatic Treatment of Upper Respiratory Infections Associated With the Common Cold: An Observational Study. *EXPLORE*; Vol 2, (Issue 2, March 2006): 109–114. <https://www.sciencedirect.com/science/article/pii/S155083070500581>

²²⁷ Jacobs J, Taylor JA. A randomized controlled trial of a homeopathic syrup in the treatment of cold symptoms in young children. *Complementary Therapies in Medicine*; Vol 129 (Dec 2016): 229–234. <https://www.sciencedirect.com/science/article/pii/S0965229916302771>

²²⁸ Bentzena N, et al. Homeopathic care for the prevention of upper respiratory tract infections in children: A pragmatic, randomised, controlled trial comparing individualised homeopathic care and waiting-list controls. *Complementary Therapies in Medicine*; Vol 13 (Issue 4, Dec 2005): 231–238. <https://www.sciencedirect.com/science/article/pii/S0965229905000750>

The homeopathic treatment group demonstrated a significant reduction in the SSS score compared with that of the placebo group (6.0 points vs 2.0 points; $P < .0001$) at seven days. On day 21, 68.4% of the homeopathic treatment group noted complete remission of AMS symptoms compared with only 8.9% for the placebo group. The authors of this trial concluded that homeopathic treatment is safe and appears to be an effective treatment for acute maxillary sinusitis.^{229 230}



Homeopathy and Asthma

Asthma is a chronic medical condition frequently triggered by many environmental factors including allergens, air pollution and the common cold virus. According to the CDC, approximately 20.4 million American adults suffer from asthma. The World Health Organization (WHO) estimates that at least 235 million people suffer from asthma worldwide. Asthma is the most common non-communicable disease among children.

In 2001, asthma was among the 10 conditions most commonly treated by homeopaths in US.²³¹ The main benefits of homeopathic treatment include a decrease in the frequency and the intensity of acute asthma attacks, as well as the complete resolution of the condition, in some cases.²³²

²²⁹ Bernstein IA, et al. A randomized, double-blind, parallel trial comparing capsaicin nasal spray with placebo in subjects with a significant component of nonallergic rhinitis. *Annals of Allergy, Asthma & Immunology*, Vol 107 (Issue 2): 171 – 178. [https://www.annallergy.org/article/S1081-1206\(11\)00383-8/fulltext](https://www.annallergy.org/article/S1081-1206(11)00383-8/fulltext)

²³⁰ Heger M, et al. Efficacy of a Complex Homeopathic Medication (ffinfrontal) in Patients with Acute Maxillary Sinusitis: A Prospective, Randomized, Double-Blind, Placebo-Controlled, Multicenter Clinical Trial. *EXPLORE*; Vol 3(Issue 2, March 2007): 98-109. <https://www.sciencedirect.com/science/article/pii/S1550830706005635>

²³¹ Doerr L. Using Homeopathy for Treating Childhood Asthma: Understanding a Family's Choice. *J Ped Nurs*. 2001; 16(4): 269-276.

[https://www.pediatricnursing.org/article/S0882-5963\(01\)33405-X/abstract](https://www.pediatricnursing.org/article/S0882-5963(01)33405-X/abstract)

²³² Garcia C. Homeopathy as an alternative for asthma treatment *Int J High Dilution Res*; 10(36): 201-202.

A retrospective study, examining children with allergic bronchial asthma who were treated homeopathically, found that: 44.2% of patients demonstrated "satisfactory improvement"; 36.7% demonstrated "manifest improvement"; 18.3% had "relative improvement"; and less than 1% (0.8%) had "no reaction" to homeopathic intervention.²³³

Another retrospective study evaluated both adults and children with bronchial asthma treated with individualized homeopathy for more than 3 years. The authors found a statistically significant decrease in both the frequency and severity of attacks during and after treatment. They also found that those treated homeopathically had a marked decrease in their use of conventional medications.²³⁴

Homeopathy and Chronic obstructive pulmonary disease (COPD)

Chronic obstructive pulmonary disease (COPD) refers to a group of respiratory illnesses including chronic bronchitis and emphysema. According to the CDC, COPD was the third leading cause of death in the US in 2014.

A prospective, randomized, double-blind, placebo-controlled study with parallel assignment was performed to evaluate the use of the homeopathy in 50 COPD ventilator-dependent patients in the Intensive Care Unit (ICU). Measured variables included changes in the amount of tracheal secretions, the time to successful extubation and length of stay in the ICU.

The researchers found that the amount of tracheal secretions was significantly reduced in the homeopathically treated group ($p < 0.0001$). Homeopathically treated patients were extubated sooner ($p < 0.0001$), and discharged sooner from the ICU (4.20 days vs 7.68, $p < 0.0001$). This study supports the use of homeopathic treatment of COPD patients, particularly in severe exacerbations.²³⁵

Conclusion

Respiratory illness is a common cause for the utilization of medical resources in the U.S. Preliminary studies strongly

²³³ Mosquera Pardo MF. Bronchial asthma in childhood: management by means of homeopathy. *Proc 2nd OMHI Congress, Mexico*; (1990)156-166.

²³⁴ Eizayaga FX, Eizayaga J. Homeopathic treatment of bronchial asthma. *Br Homeopath J*; 85 (1996): 28-33.

²³⁵ Dielacher C, et al. Influence of potassium dichromate on tracheal secretions in critically ill patients. *Chest*; March, 2005 (127):936-941. <https://www.ncbi.nlm.nih.gov/pubmed/15764779>

suggest that this is an area where homeopathy excels, and can help to reduce not only the duration of illness, but the intensity of symptoms suffered. When used in conjunction with conventional medical care for life-threatening conditions including asthma and COPD, homeopathy provides a safe, reliable and natural support for individuals suffering from respiratory illnesses.

About the Author

Samantha Conboy CCH, MA. is a board-certified classical homeopath with a practice in San Diego, CA. Samantha is passionate about working with families and equipping moms with homeopathy so that they can help their families when they are sick. Samantha has been in practice since 2008 and is the current President of the Council for Homeopathic Certification.



Why Veterinary *Homeopathy Matters in* Animal Health *Care in the USA*

Todd Cooney, DVM

Homeopathy is a powerful tool, capable of healing without causing harm. No one knows this truth more than homeopathic veterinarians. Homeopathy offers a gentle and natural method of healing for animals. Conventional veterinary medicine faces many of the same challenges as conventional human medicine including antibiotic misuse/overuse, resistant superorganisms, adverse drug reactions, polypharmacy and challenges in elderly patients. Veterinary homeopathy dates back to the 1830s in Germany when it was first used by veterinarians who were the contemporaries of Samuel Christian Hahnemann, MD, the founder of homeopathy.

Advantages of Veterinary Homeopathy

The homeopathic treatment of animals provides many distinct advantages when compared to the conventional methods.

Homeopathy is:

- Gentle, natural, and non-invasive

- Less expensive
- Safe
- Environmentally sustainable
- Free from side effects
- Particularly suited to treatment of animal herds and wildlife
- Easy to administer
- Non-toxic

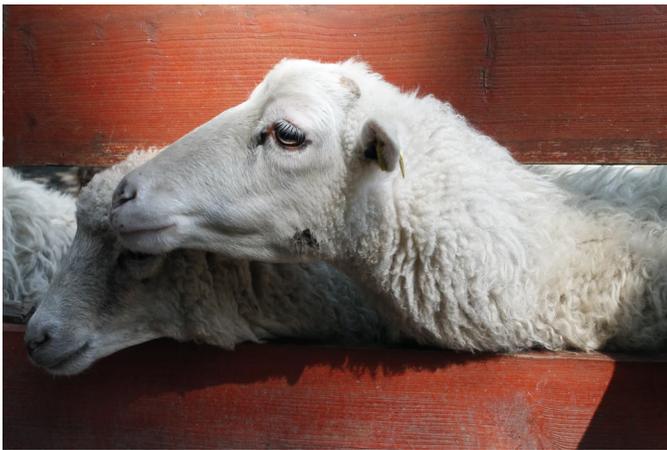
The late physician and former US senator, Royal S. Copeland, MD, who sponsored the Federal Food, Drug and Cosmetic Act of 1938, recognized the importance of including homeopathy in U.S. healthcare when he wrote:

"Physicians become homeopaths because homeopathy works better for most health problems than the techniques we learned in medical school"²³⁶

²³⁶ Robins N. Copeland 's Cure: Homeopathy and the War between Conventional and Alternative Medicine. Knopf Pub. NY 2005. <https://tinyurl.com/ycvt8v84>

Value of Animal Homeopathy

Animals are free from placebo bias. As far as we know, dogs, cats, horses, cows, goats and sheep are oblivious to the form of treatment they receive from humans. Animal responses are not placebo responses. Animals are sensitive to their environments and serve as sentinels of both disease and environmental toxins. Their reactions can alert us to environmental hazards before they affect humans. Animals are (literally) 'canaries in the coalmine' of our world. Their relatively short lifespans and intergenerational times make them ideal models to study both the course of disease, and response to therapy. Veterinary homeopathy, through acute and chronic illness, across a variety of animal species, has taught important lessons that verify and augment human medical care.



Evidence Based Medicine

Thousands of high-quality studies and case reviews of homeopathy have been published in peer-reviewed medical journals including both in vitro and in vivo experiments performed in the laboratory and in the field. Randomized double-blind, placebo-controlled clinical trials, observational studies, clinical effectiveness research, systematic reviews,

and meta-analyses have been published in both humans and animals.^{237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247}

Veterinary Homeopathy Research and Clinical Studies

Homeopathic medicine is prescribed on the basis of individual characteristics, which makes randomized controlled trials difficult, and largely unsuited to evaluating this modality. However, when these clinical trials yield positive results, it is crucially important that we pay close attention and inquire as to why. A summary of some of this research follows: Clinical trials in dairy cows show significant reduction in the incidence of bovine mastitis, decreasing incidence from 47.5% to 2.5% in one study,²⁴⁸ and from 42.8% to 7.1% in another.²⁴⁹ Studies demonstrate that homeopathy acts as a potent growth promoter in farm-raised swine. Treatment is effective either by administering it to pregnant sows,²⁵⁰ or to growth retarded piglets.²⁵¹

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- ²³⁷ Bell I. Homeopathic Research References: Focus on Animal Studies. Univ. of Arizona. July 9 2011. <https://homeopathychoice.org/wp-content/uploads/2018/09/Homeopathy-Research-Listing.pdf>
- ²³⁸ Epstein S. The Evidence Base for Veterinary Homeopathy. Paper submitted to the American Veterinary Medical Association. 2013 <https://theavh.org/wp-content/uploads/Homeopathy-White-Paper.pdf>
- ²³⁹ Pitcairn R and S. Natural Health for Dogs and Cats. Rodale books 2017. <https://tinyurl.com/yc5yadpp>
- ²⁴⁰ Dupree G. Homeopathy in Organic Livestock Production. Acres, USA. 2010 <https://www.acresusa.com/products/homeopathy-in-organic-livestock-production>
- ²⁴¹ Hamilton D. Homeopathic Care for Cats & Dogs. North Atlantic Books. 2010 <https://tinyurl.com/yc4rdf9b>
- ²⁴² Sheaffer CE. Homeopathy for the Herd: A Farmer's Guide to Low-Cost, Non-Toxic Veterinary Care of Cattle. Acres, USA. 2003 <https://www.acresusa.com/products/homeopathy-for-the-herd>
- ²⁴³ Lotfollahzadeh S, et al. Homeopathy and Foot and Mouth Disease in Cattle. Homeopathy. 2012. <https://www.ncbi.nlm.nih.gov/pubmed/22818233>
- ²⁴⁴ Doehring et al. Efficacy of Homeopathy in livestock according to peer-reviewed publications from 1981 - 2014. Veterinary Record 2016; 179 (24): 628. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5256414/>
- ²⁴⁵ Camerlink I, et al. Homeopathy as replacement to antibiotics in E. coli diarrhea in neonatal piglets. Homeopathy. 2010. <https://www.sciencedirect.com/science/article/pii/S1475491609001246>
- ²⁴⁶ Mathie RT, et al. Homeopathic prescribing for chronic conditions in equine veterinary practice in the UK. Veterina Record. 2010. <https://tinyurl.com/ybz887of>
- ²⁴⁷ Mathie RT et al. Homeopathic prescribing for chronic conditions in Feline and Canine veterinary practice. Homeopathy. 2010 <http://www.sciencedirect.com/science/article/pii/S1475491610000597>
- ²⁴⁸ Day C. Nosodes for Prevention. Int J Veterinary Homeopathy; 105).
- ²⁴⁹ Searcy R, Guajardo G. Papers on homeopathic research. Amer Holistic Veterinary Med Associat Conference 1994.
- ²⁵⁰ Guajardo-Bernal G, et al. Growth promoting effect of Sulphur in pigs. Br Homeopathic J- 85:15-21. <https://tinyurl.com/yb2eoj8d>
- ²⁵¹ Briones F. Effect of Barium carb, etc. on the weight of pigs with retarded growth. Int J Veterinary Homeopathy; 4(2), Br Homeopathic J2002; 89(2).

Multiple studies have demonstrated that homeopathy helps prevent complications during labor and delivery in cattle, pigs, and dogs.^{252, 253} Swine stillbirth mortality drops dramatically from 20% to 2.6% after the addition of homeopathic medicine to the drinking water of gestating sows.²⁵⁴

In one randomized placebo-controlled trial of 120 cows, homeopathic treatment improved conception rates, calving intervals, and calving percentage in a commercial dairy herd.²⁵⁵

The incidence of epidemic canine tracheobronchitis (kennel cough) and canine distemper outbreaks in kennels was reduced 97.9% via homeopathic treatment.²⁵⁶ In one study more than 13,000 dogs were treated over a 3-year period, demonstrating a 62.6% reduction in incidence of canine distemper.²⁵⁷

Eighty percent of dogs and horses with Cushing's disease, previously failing conventional treatment, improved with homeopathic treatment.²⁵⁸

Homeopathy demonstrates benefits in many different veterinary conditions, but only a few have been studied and reported. Some of these include: prevention of hepatic toxicity in rats,²⁵⁹ prevention of azo dye-induced hepatocarcinogenesis in mice,²⁶⁰ resolution of babesiosis in dogs,²⁶¹ hepatoprotection

against paracetamol induced liver damage in rats,²⁶² resolution of subclinical mastitis in dairy cows,²⁶³ improved renal clearance and excretion kinetics of lead in rats,²⁶⁴ improved memory functions and cerebral blood flow in memory-impaired rats,²⁶⁵ atopic dermatitis in dogs²⁶⁶ anti-inflammatory effects in cultured mouse chondrocytes,²⁶⁷ prevention of mastitis in dairy cows,²⁶⁸ prevention and treatment of Foot and Mouth Disease in cattle,²⁶⁹ increased removal torque and bone density surrounding titanium implants in rats,²⁷⁰ reduction of voluntary ethanol intake in rats,²⁷¹ improved clinical management and reduced incidence of idiopathic epilepsy in dogs,²⁷² and the prevention and treatment of helminthiasis in sheep.²⁷³

Conclusion

Numerous studies attest to homeopathy's value across a wide range of clinical conditions in veterinary medicine, improving the health of farm and domestic animals. Additionally, their positive responses entirely eliminate questions of placebo effects from homeopathy. Homeopathy is on the forefront and cutting edge of environmentally sustainable, safe and efficient

²⁵² Day C. Control of stillbirths using homeopathy. *Veterinary Record* 1984; 114(216). <https://homeopathychoice.org/wp-content/uploads/2018/12/DayStillbirths.jpg>

²⁵³ Day C. Clinical trials in bovine mastitis using Dystocia prevention. *Proceedings of LMHI Congress, Lyon (1985)*. https://homeopathychoice.org/wp-content/uploads/2018/12/Bovine_Mastitis.pdf

²⁵⁴ Day C. *ibid.* (1984). <https://homeopathychoice.org/wp-content/uploads/2018/12/DayStillbirths.jpg>

²⁵⁵ Williamson AV, et al. A study using *Sepia 200c* given prophylactically post partum to prevent anetrus problems in the dairy cow. *Br Homeopathic J*; 80(149). <https://www.sciencedirect.com/science/article/pii/S0007078505802261>

²⁵⁶ Day C. Isopathic prevention of kennel cough. *Int J Veterinary Homeopathy*; 2(57). <https://homeopathychoice.org/wp-content/uploads/2018/12/KennelCough.pdf>

²⁵⁷ Saxton J. Use of distemper nosode in disease control. *Int J Veterinary Homeopathy*; 15(8).

²⁵⁸ Elliot M. Cushing's Disease. A new approach to therapy in equine and canine patients. *Br Homeopathic J*; 90 (1). <http://www.taranet.co.uldresources/CushingsArticle.pdf>

²⁵⁹ Banerjee A et al. *Chelidonium majus 30C* and *200C* in induced hepato-toxicity in rats. *Homeopathy* 2010; 3(99):167-176. <https://www.sciencedirect.com/science/article/pii/S1475491610000573>

²⁶⁰ Bhattacharjee N, et al. Homeopathic drugs *Natun sulphuricum* and *Carcinosin* prevent azo dye-induced hepatocarcinogenesis in mice. *Ind J Biochem Biophys* 2009; 46(4):307-18. <https://www.ncbi.nlm.nih.gov/pubmed/19788063>

²⁶¹ Chaudhuri S et al. Clinical management of babesiosis in dogs with homeopathic *Crotalus horridus 200C* *Homeopathy* 2007; 96(2):90-4. <https://www.sciencedirect.com/science/article/pii/S1475491607000197>

²⁶² Da Silva GH, et al. Hepatoprotective effect of *Lycopodium clavatum 30CH* on experimental model of paracetamol-induced liver damage in rats. *Homeopathy* 2015; 104(1): 29 - 35. <https://tinyurl.com/ycakrkmc>

²⁶³ Egan J. Evaluation of a homeopathic treatment for subclinical mastitis. *The Veterinary Record* 1995;137(2):48. <https://veterinaryrecord.bmj.com/content/137/2/48>

²⁶⁴ Fisher P, et al. The influence of the homeopathic remedy *plumbum metallicum* on the excretion kinetics of lead in rats. *Human toxicology* 1987; 6(4). <https://journals.sagepub.com/doi/abs/10.1177/096032718700600409>

²⁶⁵ Hanif K, et al. Effect of homeopathic *Lycopodium clavatum* on memory functions and cerebral blood flow in memory-impaired rats. *Homeopathy* 2015;104(1): 24-28. <https://www.sciencedirect.com/science/article/pii/S1475491614000800>

²⁶⁶ Hill PB, et al. Pilot study of the effect of individualized homeopathy on the pruritus associated with atopic dermatitis in dogs. *The Veterinary Record* 2009;164(12): 364-370. <https://veterinaryrecord.bmi.com/content/164/20/635.2>

²⁶⁷ Huh YH, et al. Homeopathic *Rhus toxicodendron* treatment increased the expression of cyclooxygenase-2 in primary cultured mouse chondrocytes. (1476-4245 (Electronic)). <https://www.sciencedirect.com/science/article/pii/S1475491613000611>

²⁶⁸ Klocke P, et al. A randomized controlled trial to compare the use of homeopathy and internal teat sealers for the prevention of mastitis in organically farmed dairy cows during the dry period and 100 days post-calving. *Homeopathy* 2010; 99(2): 90-98. <https://www.sciencedirect.com/science/article/pii/S147549161000044>

²⁶⁹ Lotfollahzadah S., *ibid* <https://www.ncbi.nlm.nih.gov/pubmed/22818233>.

²⁷⁰ Spin-Neto R, et al. Homeopathic *Symphytum officinale* increases removal torque and radiographic bone density around titanium implants in rats. *Homeopathy* 2010; 99: 249-254. <https://www.sciencedirect.com/science/article/pii/S1475491610000846>

²⁷¹ Sukul NC, et al. *Strychnos nux-vomica* extract and its ultra-high dilution reduce voluntary ethanol intake in rats. *J Alternative Complement Med* 2001; 7(2):187-93. 1A)s://www.liebertpub.com/doi/abs/10.1089/107553301750164280

²⁷² Varshney JP. Clinical management of idiopathic epilepsy in dogs with homeopathic *Belladonna 200C*: a case series. *Homeopathy* 2007; 96(1): 46-48. <https://www.sciencedirect.com/science/article/pii/S1475491606001408>

²⁷³ Zacharias F, et al. Effect of homeopathic medicines on helminth parasitism and resistance of *Haemonchus contortus* infected sheep. *Homeopathy* 2008; 97(3): 145-151. <https://www.sciencedirect.com/science/article/pii/S1475491608000477>

care with applications in both individuals and large herds. Homeopathy is an important medical modality for every member of the animal kingdom, and by extension, equally important in the field of human health.

About the Author:

Todd Cooney DVM, was born and raised in Indiana, and received a BS in Wildlife Science, MS in Veterinary Parasitology, and DVM from Purdue University. He worked in private mixed practice, served as a veterinary officer in the US Air Force and Army, and also worked as a USDA veterinarian. After 22 years of conventional practice, he took Dr. Richard Pitcairn's Professional Course in Veterinary Homeopathy, which changed the way he viewed health and disease. Dr. Cooney began to use homeopathy in his practice right away, and now treats nearly all cases this way. He practices in northern Indiana, serves as an instructor for the Pitcairn Institute of Veterinary Homeopathy (pivh.org), and is the President of the Academy of Veterinary Homeopathy (theAVH.org). He is also a regular contributor to articles in Integrative Veterinary Journal, Dogs Naturally Magazine, and presents seminars and webinars on holistic veterinary topics.



Homeopathy *in* Acute Care *Medicine*

Alex Bekker, MD, ABIHM

The use of Complementary Medicine is commonplace throughout the world as the World Health Organization (WHO) attests:

"T&CM [Traditional and Complementary Medicine] is an important and often underestimated part of health care. T&CM is found in almost every country in the world and the demand for its services is increasing. T&CM, of proven quality, safety, and efficacy, contributes to the goal of ensuring that all people have access to care. Many countries now recognize the need to develop a cohesive and integrative approach to health care that allows governments, health care practitioners and, most importantly, those who use health care services, to access T&CM in a safe, respectful, cost-efficient and effective manner. A global strategy to foster its appropriate integration, regulation and supervision will be useful to countries wishing to develop a proactive policy

towards this important - and often vibrant and expanding - part of health care."²⁷⁴

Homeopathy has a strong record of quality, safety and efficacy over a 200-plus year period.

Utilization

"Homeopathy is used by just over 2% of the U.S. population, predominantly for respiratory, otorhinolaryngology, and musculoskeletal complaints. Individual users who see a homeopathic provider for care are more likely to perceive the therapy as helpful than those who do not; however, only 19% of users in the United States see a provider."²⁷⁵

²⁷⁴ WHO traditional medicine strategy: 2014-2023.

https://www.who.int/medicines/publications/traditional/trm_strategy14_23/en/
http://www.searo.who.int/entity/health_situation_trends/who_trm_strategy_2014-2023.pdf?ua=1

²⁷⁵ Dossett, ML, Davis RB, Kaptchuk TJ. Homeopathy Use by US Adults: Results of a National Survey. *Am J Public Health* 2016; 106(4): 743-5. DOI:

10.2105/ajph.2015.303025

<https://www.sciencedaily.com/releases/2016/02/160218204420.htm>

Eighty one percent of those who utilize homeopathy do so by purchasing over-the-counter (OTC) homeopathic medicines.

Homeopathy in Acute Care Studies

Many studies demonstrate the benefits of using homeopathy over a wide range of conditions. The following are a few of the most outstanding studies demonstrating efficacy in the treatment of acute diseases. Many authors note that the use of homeopathic medicine decreases the use of conventional antibiotics, psychotropics, steroids, and other medications. A search of PubMed revealed the following studies which were published in peer-reviewed medical journals. The range of clinical conditions addressed using homeopathy included upper respiratory tract infections (URTI), sleep disorders, respiratory allergies, acute otitis media (ear infections), traumatic brain injury, severe sepsis, and perioperative use of Arnica for reduction of ecchymosis after surgery.

EPI₃ Study 1- Homeopathic medical practice for URTI: cohort study

The EPI₃ survey was a nationwide population-based study of a representative sample of 825 General Practitioners (GP) and their patients in France between 2007-2008. Five hundred and eighteen adults and children with URTI's were included. The results of this study over a one-, three- and twelve-month follow-up period, demonstrated that: "Patients who chose to consult GPs certified in homeopathy used less antibiotics and antipyretic/anti-inflammatory drugs for URTI than those seen by GPs prescribing conventional medications...."²⁷⁶

EPI₃ Study 3- Utilization of psychotropic drugs by patients consulting for sleeping disorders in homeopathic and conventional primary care settings.

Three hundred and forty six patients consulting for sleep disorders (SD) were included in this study that determined: "Patients with SD who chose to consult GPs certified in homeopathy consumed less psychotropic drugs and had a similar evolution of their condition to patients treated with conventional medical management. This result may translate

²⁷⁶ Grimaldi-Bensouda L, Begaud B, Rossignol M. Management of upper respiratory tract infections by different medical practices, including homeopathy, and consumption of antibiotics in primary care: the EPI₃ cohort study in Lfr© 2007-2008. PLoS One 2014;9(3):e89990. DOI: 10.1371/journal.pone.0089990. eCollection 2014. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3960096/>

into a net advantage with reduction of adverse events related to psychotropic drugs."²⁷⁷

Effectiveness, safety and tolerability of a complex homeopathic medicinal product in the prevention of recurrent acute upper respiratory tract infections in children: a multi-center, open, comparative, randomized, controlled clinical trial.

The effectiveness, safety and tolerability of two complex homeopathic medicines in the treatment and prevention of recurrent acute URTIs in children were compared. Authors concluded that:

"Both complex homeopathic products led to a comparable reduction of URTIs... The observation that the use of antibiotics was reduced upon treatment with the complex homeopathic medications, without the occurrence of complications, is interesting and warrants further investigations... as an antibiotic sparing option."²⁷⁸

Homeopathy in acute otitis media in children: treatment effect or spontaneous resolution?

Two hundred and thirty children with acute otitis media (AOM) received individualized homeopathic medicine. If pain-reduction was insufficient after 6 hours, a different homeopathic medicine was administered. After 12 hours, children who had not reached pain control were treated with antibiotics. The authors concluded: "Pain control was achieved in 39% of the patients after 6 hours, another 33% after 12 hours. This resolution rate is 2.4 times faster than in placebo controls. There were no complications observed in the study

²⁷⁷ Grimaldi-Bensouda L, Abenheim L, Massol J, et al. Utilization of psychotropic drugs by patients consulting for sleeping disorders in homeopathic, and conventional primary care settings: the BPI-3 cohort study. Homeopathy 2015;104(3):170-5. DOI 10.1016/j.homp.2015.05.002. <https://www.ncbi.nlm.nih.gov/pubmed/26143449/>

²⁷⁸ Jong MC, Buskin SL, Ilyenko L, et al. Effectiveness, safety and tolerability of a complex homeopath, medicinal product in the prevention of recurrent acute upper respiratory tract infections in children: a multicenter, open, comparative, randomized, controlled clinical trial. Md.lump Resta, Med 2016; 11.419. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4868034/>

group and compared to conventional treatment the approach was 14% cheaper."²⁷⁹

Homeopathy and respiratory allergies: a series of 147 cases.

The progress of 147 cases of respiratory allergy in private homeopathic practice were reported. Out of 105 cases of ear, nose and throat (ENT) allergies, only two failed to improve, and none worsened. Out of 42 cases of pulmonary allergies, only two cases worsened and three failed to improve. Authors concluded:

"The reasons for such a state have been reviewed. If all these cases were therapeutic failures, the success rate of the homeopathic treatment is 87.6%."²⁸⁰

Mild Traumatic Brain Injury RCT Pilot Study

Sixty patients were studied at the Spaulding Rehabilitation Hospital. "These results indicate a significant improvement from the homeopathic treatment versus control and translate into clinically significant outcomes."²⁸¹

Adjunctive homeopathic treatment in patients with severe sepsis: a randomized, double-blind, placebo-controlled trial in an intensive care unit

Seventy patients with severe sepsis received homeopathic treatment (n=35) or placebo (n=35). Survival after 30 and 180 days was recorded.

"Our data suggest that homeopathic treatment may be an useful additional therapeutic measure with a long-term benefit for severely septic patients admitted to the intensive

care unit. A constraint to wider application of this method is the limited number of trained homeopaths."²⁸²

Perioperative Arnica montana for Reduction of Ecchymosis in Rhinoplasty Surgery.

Subjects scheduled for rhinoplasty surgery with nasal bone osteotomies by a single surgeon were prospectively randomized to receive either oral perioperative Arnica montana or placebo in a double-blinded fashion. The authors concluded:

"Arnica montana seems to accelerate postoperative healing, with quicker resolution of the extent and the intensity of ecchymosis after osteotomies in rhinoplasty surgery, which may dramatically affect patient satisfaction."²⁸³

Conclusion

Not only is the utilization of homeopathy in many parts of the world common, but substantial evidence of its efficacy in acute and emergency conditions indicates a cost-effective model for complementing conventional medicine, while avoiding many of the pitfalls of antibiotic and pain medication overuse. Homeopathy certainly deserves much more research dedicated toward understanding its usefulness and applications in the field of public health.

About the Author

Alex Bekker, MD, ABIHM is a General Practice physician, diplomate of Integrative Holistic Medicine, with many years of Emergency Department experience, who regularly uses homeopathy to treat his patients. He resides in Texas.

²⁷⁹ Frei H, Thurneysen A. Homeopathy in acute otitis media in children: treatment effect or spontaneous resolution? *Br Homeopath J* 2001;90(4):180-2. <https://www.ncbi.nlm.nih.gov/pubmed/11680801/>

²⁸⁰ Colin P. Homeopathy and respiratory allergies: a series of 147 cases. *Homeopathy* 2006 Apr. 95(2):68-72. <https://www.ncbi.nlm.nih.gov/pubmed/16560621>

²⁸¹ Chapman EH, Weintraub RJ, Milburn MA, et al. Homeopathic Treatment of Mild Traumatic Brain Injury: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial. *J Head Trauma Rehabil* 1999;14(6):521- 542. <https://pdfs.semanticscholar.org/8744/ff5ec248350778d7d1455944d14f6d9e45d8.pdf>

²⁸² Frass MI, Linkesch M, Banyai S, et al. Adjunctive homeopathic treatment in patients with severe sepsis: a randomized, double-blind, placebo-controlled trial in an intensive care unit. *Homeopathy*. 2005 Apr. 94(2):75-80. <https://www.ncbi.nlm.nih.gov/pubmed/15892486>

²⁸³ Chaiet SR, Marcus BC. Perioperative Arnica montana for Reduction of Ecchymosis w Rhinoplasty Surgery. *Ann Plast Surg* 2016 May 76(5):477-82. <https://www.ncbi.nlm.nih.gov/pubmed/25954844>

stabilization or partial regression in 21%.^{287, 288, 289} Cancer case studies from this Foundation were submitted to the National Cancer Institute (NCI) "Best Case Series Program" and found to merit prioritization for accelerated research funding.^{290, 291}

Homeopathic medicines demonstrate many selective cytotoxic and antineoplastic properties in human cancer colon cells both in vivo²⁹² and in vitro.²⁹³ Anti-cancer effects in COLO-205 cells demonstrate cell cycle arrest at G2/M phase and apoptosis by mitochondrial mediated pathways.²⁹⁴ Homeopathic medicines appear to selectively target cancer cells with only minimal impact on surrounding "healthy" tissue.^{295, 296}

²⁸⁷ Ramaskrishnan AU. A homeopath, approach to cancer. St. Louis, MO. Quality Medical Publishing, 2001. Available from: <https://www.homeopathycenter.org/homeopathy-today/homeopathic-approach-cancer>

²⁸⁸ Master FJ. Homeopathy in cancer. India: Narayana Publishers, 2006. Available from: https://www.narayana-verlag.com/homeopathy/pdf/Homeopathy-in-Cancer-Fa-rokh-J-Master.01193_2.pdf

Available at: <https://homeopathychoice.org/wp-content/uploads/2019/01/Homeopathy-Cancer.pdf>

²⁸⁹ Frankel M. Is There a Role for Homeopathy in Cancer Care? Questions and Challenges. *Curr Oncol Rep* 2015;17: 43. Available from: <https://doi.org/10.1007/s11912-015-0467-8>

²⁹⁰ Banerji P, Campbell DR, Banerji P. Cancer patients treated with the Banerji Protocols utilizing homeopathic medicine: a Best case Series Program of the National Cancer Institute USA. *Oncol Rep* 2008;20(1):169-74. Available from: <http://www.femh.org/wp-content/uploads/2013/01/probaar2.pdf>

²⁹¹ Olaku O, Zia F, Santana JM, White JD. The National Cancer Institute Best Case Series Program, a summary of cases of cancer patients treated with unconventional therapies in India. *Integr Cancer Ther* 2013;12(5):385-92. Available from: <https://journals.sagepub.com/doi/pdf/10.1177/1534735412473641>

²⁹² Arora S, Aggartwal A, Singla P, Jyoti S, Tandon S. Anti-proliferative effects of homeopathic medicines on human kidney, colon and breast cancer cells. *Homeopathy*. 2013 Oct;102(4):274-82. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/24050774>

²⁹³ Bell IR, Sorter B, Koithan M, et al. Integrative Nanomedicine: Treating Cancer with Nanoscale Natural Products. *Global Adv Health Med* 2014; 3(1):36-53. Available from: <https://journals.sagepub.com/doi/pdf/10.7453/gahmj.2013.009>

²⁹⁴ Lim KJ, Bisht S, Bar EE, Maitra A, Eberhart CG. A polymeric nanoparticle formulation of curcumin inhibits growth, clonogenicity and stem-like fraction in malignant brain tumors. *Cancer Biology & Therapy* 2000;11:464-73. <https://www.tandfonline.com/doi/pdf/10.4161/cbt.11.5.14410?needAccess=true>

Available at: <https://homeopathychoice.org/wp-content/uploads/2019/01/A-polymeric-nanoparticle-formulation-of-curcumin-inhibits-growth-clonogenicity-and-stemlike-fraction-in-malignant-brain-tumors.pdf>

²⁹⁵ Arora S, Tandon S. DNA fragmentation and cell cycle arrest: a hallmark of apoptosis induced by *Ruta graveolens* in human colon cancer cells. *Homeopathy* 2015; 104(1):36-47. Available from: <https://daneshyari.com/article/preview/2629357.pdf> Available at: <https://homeopathychoice.org/wp-content/uploads/2019/01/DNA-Fragmentation-and-cell-cycle-arrest-a-hallmark-of-apoptosis-reduced-by-Ruta-Graveolens-in-human-colon-cancer-cells.pdf>

²⁹⁶ Pathak S, Multani AS, Banerji P, Banerji P. *Ruta* 6 selectively induces cell death in brain cancer cells but proliferation in normal peripheral blood lymphocytes: a novel treatment for human brain cancer. *Int J Oncol* 2003;23(4):975-132. Available from: <https://www.jane.symons.com.au/PDF/Ruta-Phos.pdf> Available at: <https://www.homeopathychoice.com/wp-content/uploads/2019/01/Ruta-6-selectively-induces-cell-death-in-brain-cancer-cells-but-proliferation-in-normal-peripheral-blood-lymphocytes-A-novel-treatment-for-human-brain-cancer/pdf>

A range of studies and retrospective case series indicate that homeopathy has provided curative treatment for an array of GI cancers including oral, periampullary, esophageal,²⁹⁷ liver, gallbladder, stomach and pancreatic both in vitro and in vivo.^{298, 299, 300}

Homeopathy is also effective in reducing the severity of the many side-effects associated with conventional cancer treatments including immunotherapy and chemotherapy induced nausea, insomnia, depression, anxiety, asthenia, incontinence, and hot flashes.³⁰¹ Additionally homeopathic medicine prophylactically reduces the intensity and severity of topical burns associated with radiation therapy.³⁰²

Gastroesophageal Reflux Disease (GERD)

Homeopathy combined with lifestyle and dietary changes, dramatically improves GERD, helping to restore gastric ecology, and improve Lower Esophageal Sphincter (LES)

²⁹⁷ <http://specialityclinic.blogspot.com/2008/02/case-of-esophageal-cancer-treated-with.pdf>, accessed online August 26, 2017. Available from: <http://www.specialityclinic.blogspot.com/2008/02/case-of-esophageal-cancer-treated-with.html>

²⁹⁸ Lederman, EK. The homeopathic treatment of common liver and gall-bladder disorders. *British Homoeopathic Journal* 1950;40(2):86-100. [https://www.thieme-connect.com/products/ejournals/pdf/10.1016/50007-0785\(50\)80017-0.pdf](https://www.thieme-connect.com/products/ejournals/pdf/10.1016/50007-0785(50)80017-0.pdf) Available: <https://homeopathychoice.org/wp-content/uploads/2019/01/The-Homeopathic-Treatment-of-Common-Liver-and-Gall-Bladder-Disorders.pdf>

²⁹⁹ Mondal J., Das J, Shah R, Khuda-Bukhs AR. A homeopathic nosode, Hepatitis C 30 demonstrates anticancer effect against liver cancer cells in vitro by modulating telomerase and topoisomerase II activities as also by promoting apoptosis via intrinsic mitochondrial pathway. *J Integr Med* 2016 May;14(3):209-18. Available from: <https://www.askdrshah.com/manage/articles/pdf/11.20HCV%20in%20vitro%20Anti%20activity-%20FR.pdf>. Available at <https://homeopathychoice.org/wp-content/uploads/2019/01/A-homeopathic-nosode-Hep-C-30-demonstrates-anticancer-effect.pdf>

³⁰⁰ Chatterjee A, Biswas 7, Chatterjee A, Bhattacharya S, Mukhopadhyay B, Mandal S. Psorinum Therapy in Treating Stomach, Gallbladder, Pancreatic, and Liver Cancers: A Prospective Clinical Study. *Evict Based Complement Alternat Med*. 2011; 2011: 724743. Available from: https://www.researchgate.net/profile/Sudin_Bhattacharya/publication/49720123_Psorinum_Therapy_in_Treating_Stomach_Gall_Bladder_Pancreatic_and_Liver_Cancers_A_Prospective_Clinical_Study/links/0cfd508a18298c3f4000000/Psorinum-Therapy-in-Treating-Stomach-h-Gall-Bladder-Pancreatic-and-Liver-Cancers-A-Prospective-Clinical-Study.pdf

³⁰¹ Rossi E, Picchi M, Panozzo M, Di Stefano M, et al. Integration of homeopathy and complementary medicine in the public health system in Italy: national regulation and regional experiences. *J Med Pers* 2015; 13:45. Available from: <https://paolobellavite.it/files/15-JMAP-6-RossiIntegration/pdf>. Available at: <https://homeopathychoice.org/wp-content/uploads/2019/01/Integration-of-homeopathy-and-complementary-medicine-in-the-public-health-system-in-Italy-national-regulation-and-regional-experiences.pdf>

³⁰² Bao Y, Kong X, Yang L, Liu R, Shi Z, Li W, Hua B, Hou W. Complementary and alternative medicine for cancer pain: an overview of systematic reviews. *End Based Complement Altana Med* 2014;2014:170396. Available from: <https://hindawi.com/journals/ecam/2014/170396/>

function without inducing the host of other health disturbances commonly associated with conventional treatments.^{303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314}

Liver and Gallbladder Disease

Diseases of the liver and the biliary tract have been treated effectively with homeopathic medicines,³¹⁵ including cases of

³⁰³ Jani M. Role of Homeopathy in the treatment of cases of heartburn with the help of different repertory and Materia Medica Pura. *Europ J Integra Med* 2009;1(4): 233-234. Available from:

<https://www.sciencedirect.com/science/article/abs/pii/S1876382009001462>

³⁰⁴

<http://www.allthingshealing.com/Homeopathy/Gastroesophageal-Reflux-Disease/6879#WabffJOGMig> accessed online Aug 30, 2017.

<http://www.allthingshealing.com/Homeopathy/Gastroesopharnal-Reflux-Disease/6879.WabffJOGMig> Nov. 2017.

³⁰⁵ Wang K, Li S, Liu C, Perng D, et al. Effects of ingesting Lactobacillus- and Bifidobacterium-containing yogurt in subjects with colonized *Helicobacter pylori*. *Am J Clin Nutr* 2004; 80(3):737-741. Available from: <https://academic.oup.com/ajcn/article/80/3/737/4690554> Available at: <https://homeopathychoice.org/wp-content/uploads/2019/01/Effects-of-ingestin-g-Lactobacillus-and-Bifidobacterium-containing-yogurts-in-subjects-with-colonized-Helicobacter-pylori.pdf>

³⁰⁶ Maes ML, Fixen DR, Linnebur SA. Adverse effect of proton-pump inhibitor use in older adults: a review of the evidence. *Ther Adv Drug Saf* 2017; 8(9): 273-297. Available from:

<https://journals.sagepub.com/doi/10.1177/2042098617715381> Available from:

<https://homeopathychoice.org/wp-content/uploads/2019/01/Safety-of-Long-Term-PPI-Use.pdf>

³⁰⁷ <https://secure.medicalletter.org/w1527a> accessed online February 19, 2018.

Available from:

<https://secure.medicalletter.org/sites/default/files/freedocs/w1527a.pdf>

³⁰⁸ Eom C, Park SM, Myung S, Moon Yun J, et al. Use of Acid-Suppressive Drugs and Risk of Fracture: A Meta-analysis of Observational Studies. *Ann Fam Med* 2011; 9(3): 257-267. Available from:

<http://www.annfammed.org/content/9/3/257.full.pdf> Available from:

<http://homeopathychoice.org-content/uploads/2019/01/Use-of-Acid-Suppressive-Drugs-and-Risk-of-Fracture-a-Metaanalysis-of-Observational-Studies.pdf>

³⁰⁹ Zoler ML. Serious Risk for Acute BF triples when PPIs used in atrial fibrillation. *Fam Pract N* 2017;47(11):14.

³¹⁰ Poulsen AH, Christensen S, McLaughlin JK, et al. Proton pump inhibitors and risk of gastric cancer: a population based cohort study. *Br J Cancer* 2009; 100(9):1503-1507. Available from:

<http://citeseerx.ist.psu.edu/viewdoc/download?jsessionid=DA073D251514240374E93B72B119A17B?doi=10.1.1.359.1447&rep=rep1&type=pdf>. Available at:

<https://homeopathychoice.org/wp-content/uploads/2019/01/Proton-pump-inhibitors-and-risk-of-gastric-cancer-a-population-based-cohort-study.pdf>

³¹¹ Schested TS, Fosbol EL, Hansen PW, Cludot MG, et al. *Circulation*.

2016;134:A18462. Available from:

https://www.ahajournals.org/doi/abs/10.1161/circ.134.suppl_1.18462

³¹² Lazarus B, Chen Y, Wilson FP, et al. Proton Pump Inhibitor Use and the Risk of Chronic Kidney Disease. *JAMA Intern Med*. 2016;176(2):238-246.

<https://gastrodurand.com/ar/clases/2016-protonpumpinhibitoruseandtheriskofchronickidneydisease.pdf> Available from:

<https://homeopathychoice.org/wp-content/uploads/2019/01/Proton-Pump-Inhibitor-Use-and-the-Risk-of-Chronic-Kidney-Disease.pdf>

³¹³ Tarig R, Singh S, Gupta A, Pardi DS, Khanna S. Association of Gastric Acid Suppression with Recurrent *Clostridium difficile* Infection: A Systematic Review and Meta-analysis. *JAMA Intern Med* 2017;177(6):784-791. Available from:

<https://jamanetwork.com/journals/jamainternalmedicine/fullarticle/2612117>

³¹⁴ Katz MH. Failing the acid test benefits of proton pump inhibitors may not justify the risks for many users. *Arch Intern Med* 2010;170(9):747-748. Available from:

<https://jamanetwork.com/journals/jamainternalmedicine/article-abstract/415861>

³¹⁵ Ledermann, EK. The homeopathic treatment of common liver and gall-bladder disorders. *The British Homeopathic Journal* 1950; 40(2): 86-100. Available. <https://www.sciencedirect.com/science/article/pii/S0007087550800170>

cirrhosis,³¹⁶ viral hepatitis,^{317, 318, 319} and fulminant hepatic failure.³²⁰ Homeopathic medicines provide useful prophylactic effects, protecting the liver against medication and toxin induced injuries.³²¹

Homeopathy provides an excellent resource in pain management thus reducing exposure to more harmful drugs such as acetaminophen, NSAIDs, and opiates.³²² Using homeopathic medicines in this manner avoids iatrogenic induced hepatic injury,^{323, 324} reduces inflammation and improves recovery time from injuries, dramatically lowering the need for more problematic interventions.

³¹⁶ Badulici S, Chirulescu Z, Chitila P, Chiril M, Roca A. Treatment with zincum methillicum CH5 in patients with liver cirrhosis. Preliminary study. *Rom J Intern Med*. 1994;32(3):215-9. Available from:

<https://www.ncbi.nlm.nih.gov/pubmed/7866338>

³¹⁷ Dobrescu D, Motoc A, Ceausu E, Negres S. Anti-cytolytic homeopathic remedy, beneficial in chronic viral hepatitis. *First Journal of Homeopathic Pharmacology, Pub. Romanian Academy of Medical Sciences* 2014; 11(1):11-17. Available from:

fjhp.eu/article/vol%202%20No%201/2014.V2.N1.3.Dobrescu%20-%20Anti-cytolytic%20%2011-17.pdf Available from:

<https://homeopathychoice.org/wp-content/uploads/2019/01/Anticytolytic-homeopathic-remedy-beneficial-in-chronic-viral-hepatitis.pdf>

³¹⁸ Sarter B, Banerji P. Successful Treatment of a Chronic Viral Hepatitis With High-dilution Medicine. *Glob Adv Health Med*. 2012; 1(1): 26-29. Available from: <https://journals.sagepub.com/doi/pdf/10.7453/gahmj.2012.1.1.007>. Available at:

<https://homeopathychoice.org/wp-content/uploads/2019/01/Successful-Treatment-of-Chronic-Viral-Hepatitis-With-High-dilution-medicine.pdf>

³¹⁹ Shah R. A Clinical Evaluation of a Hepatitis C Nosode in the Treatment of Hepatitis C. *J Altern Complement Med* 2016; 22(3): 197-203. Available from: <https://www.liebertpub.com/doi/10.1089/acm.2014.0146>

³²⁰ Frass M, Zagorchev P, Yurukova V, Wulkersdorfer B, Thieves K, Zedtwitz-Liebenstein K, Bursa W, Kaye AD. Two Cases of Fulminant Hepatic Failure from Amanita phalloides Poisoning Treated Additively by Homeopathy. *Ochsner J* 2014; 14(2):252-8. Available from:

<http://www.homeopathicresearch.eu/Ochsner%20Journal%20Amanita%202014.14252.258.pdf> Available at:

<https://homeopathychoice.org/wp-content/uploads/2019/01/Two-Cases-of-Fulminant-Hepatic-Failure-from-Amanita-phalloides-Poisoning-Treated-Additively-by-Homeopathy.pdf>

³²¹ Henrique der Silva G, Barros PP, Silva Goncalves GM, Landi MA.

Hepatoprotective effect of *Lycopodium clavatum* 30C11 on experimental model of paracetamol-induced liver damage in rats. *Homeopathy*. 2015 Jan;104(1):29-35 Available from:

<https://www.sciencedirect.com/science/article/pii/S1475491614000721?via%3Dihub>.

³²² Rossignol M, Begaud B, Engel P, et al. Impact of physician preferences for homeopathic or conventional medicines on patients with musculoskeletal disorders: results from the EP13-MSD cohort. *Pharmacopepidemiol. Drug Saf*. 2012, 21:1093-101. Available from :

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/pds.3316>. Available from:

<https://homeopathychoice.org/wp-content/uploads/2019/Impact-of-physician-preferences-for-homeopathic-or-conventional-medicines-on-patients-with-musculoskeletal-disorders-results-from-the-EP13MSD-cohort.pdf>

³²³ Lennihan B. Homeopathy for Pain Management. *Alternative and Complementary Therapies*. October 2017, 23(5): 170-183. Available from:

<https://www.liebertpub.com/doi/10.1089/act.2017.29129.ble>

³²⁴ Whitmont RD, Mamtani R. Homeopathy and Pain Management. Homeopathy, Chapter 17 in *Complementary and Integrative Medicine in Pain Management*, editors: Weintraub MI, Mamtani R, Micozzi MS, Springer Publishing, NY, 2008. Available from:

https://lghpt.48653.nexcesscdn.net/80223CF/springer-static/media/samplechapters/9780826128744/9780826128744_chapter.pdf

Small Intestinal Bacterial Overgrowth

Small intestinal bacterial overgrowth (SIBO) is an increasingly common dysbiosis³²⁵ whose etiology is not well understood, but frequently develops after alterations in gastrointestinal architecture, motility, pH and gut microbiome constitution.³²⁶ Homeopathy is an inherently effective modality in SIBO since it helps reduce the use of other more damaging medications that are associated with high relapse rates.³²⁷ Utilizing homeopathy in the GI tract helps conserve the integrity of the gut microbiome and prevent its development.³²⁸

Irritable Bowel Syndrome (IBS) and Inflammatory Bowel Disease (IBD)

Homeopathic treatment of IBD and IBS has been demonstrated by numerous case studies^{329, 330, 331} and experimental protocols.³³² Homeopathy is beneficial across a

wide range of these conditions^{333, 334, 335, 336} improving symptoms, quality of life, digestive function, and reducing risks associated with the use of conventional medications.^{337, 338}

A recent Cochrane review looking at the pooled data from two studies using a simplified form of homeopathy found benefit beyond placebo in those patients with constipation-predominant IBS.³³⁹

An outpatient survey performed in Switzerland determined that homeopathy was one of the most frequently used alternative modalities in patients suffering from Crohn's disease and Ulcerative colitis, with more than 67% experiencing improvement with long-term treatment.³⁴⁰

³²⁵ Dukowicz AC, Lacy BE, Levine GM. Small Intestinal Bacterial Overgrowth A Comprehensive Review. *Gastroenterol Hepatol* 2007; 3(2): 112-122. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3099351/>

³²⁶ Krajicek EJ, Hansel SL. Small Intestinal Bacterial Overgrowth: A Primary Care Renew. *Mayo Clin Proc* 2016; 91(12): 1128- 1833. Available from: [https://www.mayoclinicproceedings.org/article/S0025-6196\(16\)30589-4/pdf](https://www.mayoclinicproceedings.org/article/S0025-6196(16)30589-4/pdf)

Available from: <https://homeopathychoice.org/wp-content/uploads/2019/01/Small-Intestinal-Bacterial-Overgrowth-a-Primary-Care-Review.pdf>

³²⁷ Lauritano EC, Gabrielli M, Scarpellini E, Lupascu A, et al. Small intestinal bacterial overgrowth recurrence after antibiotic therapy. *Am J Gastroenterol* 2008;103(8):2031-5. Available from:

<https://www.ncbi.nlm.nih.gov/pubmed/18802998>

³²⁸ Uchiyama-Tanaka Y. Case Study of Homeopathic Bowel Nosode Remedies for Dysbio

tic Japanese Patients. *J Altern Complement Med* 2017 Aug 14. doi: 10.1089/acm.2017.0061. Available from:

<https://www.ncbi.nlm.nih.gov/pubmed/28805460>

³²⁹ Pratim Pal P, Ghosh MS, Chakma A. Homeopathic treatment of ulcerative Colitis: A case report. *IJRH* 2017;11(1):74-78. Available from:

<http://www.ijrh.org/article.asp?issn=0974-7168-year=2017;volume=11;issue=1;spage=74;epage=78;aulast=Pal>. Available at:

<http://homeopathychoice.org/wp-content/uploads/2019/01/Homeopathic-treatment-of-Ulcerative-Colitis-a-case-report.pdf>

³³⁰ Maas HPJA. Ulcerative Colitis treated with Homeopathy. *British Homeopathic Journal* 1993; 82:179-185. Available from:

<https://www.sciencedirect.com/science/article/pii/S0007078505800067?via%3Diuhub>

³³¹ Shevin W. Lymphocytic Colitis in a 68-Year-Old Woman: A Homeopathic Medicine Case Report. *Am J Homeop Med* 2017; 110(1): p11-16. 6p. Available from:

https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authType=crawler&jrnl=19342454&AN=123551143&h=4fDjXpXynjBjnmMFvgv5awN5Q%2f90Xmd314YYFZNtlwki%2fX7rXUvYmDeTdyB4v*q68rXr7D%2ffUToAB2%2f5wQ%3d%3d&cr1=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&cr1hashurl=login.aspx%3fdirect%3dtrue%26profile%2dehost%26scope%3dsite%26authType%3dcrawler%26jrnl%3d19342454%26AN%3d123551143

³³² Miroliaee AE, Esmaily H, Vaziri-Bami A, Baeri M, Shahverdi AR, Abdollahi M. Amelioration of experimental colitis by a novel nano selenium-silymarin mixture. *Toxicology Mechanisms and Methods* 2011;21:200-8. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/21247366>

³³³ Peckham EJ, Relton C, Raw J, Walters C, Thomas K, Smith C, Kapur K, Said E. Interim results of a randomized controlled trial of homeopathic treatment for irritable bowel syndrome. *Homeopathy* 2014;103:172-177. Available from: <https://clarewalters.co.uk/uploads/HIBS%20article%20in%20Homeopathy.pdf>. Available at:

<https://homeopathychoice.org/wp-content/uploads/2019/01/Interim-results-of-a-randomised-controlled-trial-of-homeopathic-treatment-for-irritable-bowel-syndrome.pdf>

³³⁴ Peckham EJ, Nelson EA, Greenhalgh J, Cooper K, Roberts ER, Agrawal A. Homeopathy for treatment of irritable bowel syndrome. *Cochrane Database Syst Rev.* 2013; (11):CD009710. Available from:

<https://eprints.whiterose.ac.uk/96915/1/Peckham%202013%20Homeopathy%20for%20IBS%20Cochrane.pdf>

<https://homeopathychoice.org/wp-content/uploads/2019/01/A-protocol-for-a-trial-of-homeopathic-treatment-for-irritable-bowel-syndrome.pdf>

³³⁵ Gray J. How I treat irritable bowel disease: A survey of 25 consecutive patients. *Brit Hom J* 1998; 87(4):195-202. Available from:

<https://www.sciencedirect.com/science/article/pii/S14754916999025032via%3Diuhub>

³³⁶ Jack RAF. A case of colitis treated with Secale. *Br Homeop J* 1990;79(2):106-108. Available from:

<http://www.sciencedirect.com/science/article/pii/S0007078505801577>

³³⁷ Abitbol V, Lahmek P, Buisson A, Olympic A, Poupardin C, Chaussade S, Lesgourgues B, Nahon S. Impact of complementary and alternative medicine on the quality of life in inflammatory bowel disease: results from a French national survey. *Eur J Gastroenterol Hepatol* 2014;26(3):288-94. Available from:

<https://journals.www.com/eurojgh/Abstract/2014/03000/Impact-of-complementary-and-alternative-medicine.6.aspx> Available at:

<https://homeopathychoice.org/wp-content/uploads/2019/01/Impact-of-complementary-and-alternative-medicine-on-the-quality-of-life-in-inflammatory-bowel-disease-results-from-a-French-national-survey.pdf>

³³⁸ Jack RAF. How I treat Crohn's disease. *Br Homeop J* 1993;82(1): 29-36. Available from: <https://www.sciencedirect.com/science/article/pii/S0007078505809512>

³³⁹ Peckham EJ, Nelson EA, Greenhalgh J, Cooper K, Roberts ER, Agrawal A. Homeopathy for treatment of irritable bowel syndrome. *Cochrane Database of Systematic Reviews* 2013, Issue 11. Art. No.: CD009710. DOI:

10.1002/14651858.CD009710.pub2. Retrieved from: <http://eprints.whiterose.ac.uk/96915/1/Peckham%202013%20Homeopathy%20for%20IBS%20Cochrane.pdf>. Available at:

<https://www.homeopathychoice.org/wp-content/uploads/2019/01/Homeopathy-for-treatment-of-irritable-bowel-syndrome-review.pdf>

³⁴⁰ Ausfeld-Hafter B, Hoffmann S, Seibold F, Quattropiani C, et al. [Status of alternative medicine in Crohn disease and ulcerative colitis patents: a questionnaire survey]. *Forschende Komplementarmedizin und Naturheilkunde = Research in Complementary and Natural Classical Medicine* 2005;

12(3):134-138. Retrieved from: <https://www.ncbi.nlm.nih.gov/pubmed/15985776>

Diverticulosis and Diverticulitis

Both diverticulosis and diverticulitis are associated with a variety of factors including diet, lifestyle, and microbiome health.³⁴¹ Conventional treatment strategies, including surgery and antibiotics, tend to be overused and are associated with significant risk of complications.³⁴²

Clinical experience demonstrates that individualized homeopathic treatment is beneficial in the prevention and treatment of early stage diverticulitis and reduces the need for more invasive and disruptive interventions.³⁴³

Constipation and Diarrhea

Two of the most common conditions affecting the GI tract are constipation and diarrhea. According to a survey of patients suffering from constipation in the United Kingdom, only 25% were satisfied with conventional treatments while 43% resorted to using alternative approaches including homeopathy.³⁴⁴ Several studies³⁴⁵ and many case reports testify to the benefits of homeopathic intervention.³⁴⁶

According to the World Health Organization (WHO) diarrhea is the second leading cause of death in children under five years

old. There are nearly 1.7 billion cases annually and nearly 525,000 children die as a result.³⁴⁷

Several studies performed in remote rural locations found that individualized homeopathic treatment of infectious diarrhea is expedient, clinically and cost effective, shortens both duration and frequency of stools, and improves quality of life.^{348, 349, 350, 351, 352}

The Acute Abdomen

The acute abdomen, including acute pain, ileus, biliary colic, cholestasis, choledocholithiasis, cholecystitis, pancreatitis, appendicitis, peritonitis, colic, and sepsis syndromes have responded to the integrated application of homeopathic treatment, particularly in the intensive care unit (ICU).³⁵³

Postoperative ileus, which frequently develops after invasive intra-abdominal surgery also responds well to homeopathic treatment. A meta-analysis of six studies demonstrates a

³⁴⁷ <http://www.who.int/mediacentre/factsheets/fs330/en/> accessed online November 10, 2017. Available from:

<https://www.who.int/en/news-room/fact-sheets/detail/diarrhoeal-disease>

³⁴⁸ Jacobs J, Margarita Jimenez L, Malthouse S, Chapman E, Crothers D, Masuk M, Jonas WB. Homeopathic Treatment of Acute Childhood Diarrhea: Results from a Clinical Trial in Nepal. *J Altern Complement Med* 2007; 6(4):131-139. Available from: <https://liebertpub.com/doi/10.1089/acm.2000.6.131>. Available at: <http://homeopathychoice.org/wp-content/uploads/2019/01/Homeopathic-Treatment-of-Acute-Childhood-Diarrhea-Results-from-a-Clinical-Trial-in-Nepal.pdf>

³⁴⁹ Jacobs J, Jimenez LM, Gloyd SS, Gale JL, Crothers D. Treatment of acute childhood diarrhea with homeopathic medicine: a randomized clinical trial in Nicaragua. *Pediatrics* 1994;93(5):719-25. <https://www.ncbi.nlm.nih.gov/pubmed/8165068/>

³⁵⁰ Jacobs J, Jimenez LM, Malthouse S, Chapman E, Crothers D, Masuk M, Jonas WB. Homeopathic treatment of acute childhood diarrhea: results from a clinical trial in Nepal. *J Altern Complement Med*. 2000 Apr;6(2):131-9. Available from: <https://thaicambd.info/Downloads/PDF/homeo3/pdf>

³⁵¹ 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 Mar;22(3):229-34. Available from: <https://pdfs.semanticscholar.org/9ec2/bab9e0149cdfb9b927c702d249aee0f5a325.pdf>. Available at:

<https://homeopathychoice.org/wp-content/uploads/2019/01/Homeopathy-for-Childhood-Diarrhea-Combined-Results-and-Metaanalysis-From-Three-Randomized-Controlled-Clinical-Trials.pdf>

³⁵² Nayak C, Singh V, Singh K, Singh H, et al. A prospective multicentre observational study to evaluate the role of homeopathic therapy with a group of predefined homeopathic medicines in the management of gastroenteritis. *Ind J Research Homeop* 2011; 5(1):28-35. Available from: <http://ijrh.org/article.asp?issn=0974-7168;year=2011;volume=5;issue=1;spage=28;epage=35;aulast=Nayak;type=0>. Available at:

<https://homeopathychoice.org/wp-content/uploads/2019/01/A-prospective-multicentre-observational-study-to-evaluate-the-role-of-homeopathic-therapy-with-a-group-of-predefined-homeopathic-medicines-in-the-management-of-gastroenteritis.pdf>

³⁵³ Bundner M. Gastroenterological emergencies. In: Frass M, Bundner M, eds. *Homeopathy in Intensive Care Medicine*. Kandel, Germany: Narayana Verlag; 2007:315-345. Available from:

<https://homeopathy.com/book-reviews/homeopathy-in-intensive-care-and-emergency-medicine-by-michael-frass-martin-bundner-ed-reviewed-by-dr-firuzi-mehra/>

³⁴¹ Daniels, L., Budding, A.E., de Korte, N. et al. Fecal microbiome analysis as a diagnostic test for diverticulitis. *Eur J Clin Microbiol Infect Dis* 2014; 33: 1927. Retrieved from: https://pure.uva.nl/ws/files/720695/159023_08.pdf. Available at: <https://homeopathychoice.org/wp-content/uploads/2019/01/Treatment-followup-and-microbiota-in-acute-diverticulitis.pdf>

³⁴² Morris AM, Regenbogen SE, Hardiman KM, et al. Sigmoid Diverticulitis A Systematic Review. *JAMA* 2014;311(3):287-297. Retrieved from: <http://blog.utp.edu.co/cabrales/files/2014/09/7.-DIVERTICULITIS.pdf>. Available at:

<http://homeopathychoice.org/wp-content/uploads/2019/01/Ulcerative-colitis-and-diverticulitis.pdf>

³⁴³ Bodman F. Ulcerative colitis and diverticulitis. *Br Homeop J* 1975; 64(4): 201-209. Retrieved from:

[https://www.thieme-connect.com/products/ejournals/pdf/10.1016/S0007-0785\(75\)80020-2.pdf](https://www.thieme-connect.com/products/ejournals/pdf/10.1016/S0007-0785(75)80020-2.pdf). Available at:

<https://homeopathychoice.org/wp-content/uploads/2019/01/Ulcerative-colitis-and-diverticulitis.pdf>

³⁴⁴ Khan U, Dubois D, Schenck F, et al. Patient satisfaction with current management strategies in chronic constipation. *Gut* 2011;60:A160. Retrieved from: https://gut.bmj.com/content/60/Suppl_1/A160.1. Available at: <https://homeopathychoice.org/wp-content/uploads/2019/01/Patient-satisfaction-with-current-management-strategies-in-chronic-constipation.pdf>

³⁴⁵ Mahjoubi B, Darabi MR, Mirzai R, Moghimi A, et al. Efficacy of Homeopathy in Treatment of Refractory Chronic Constipation Atonia. *Colorectal Dis Supp* 2004; 60:34. Retrieved from Poster abstract P94 <https://vdocuments.mx/poster-abstracts-57f35d35a3caa.html>

³⁴⁶ Nakhoda F, Solomon EM, Tsele-Tebakang T. The Efficacy of Individualised Homeopathic Treatment on Constipation. February 2016. <https://core.ac.uk/download/pdf/54193540.pdf> accessed online November 8, 2017. Available from: <https://core.ac.uk/download/pdf/54193540.pdf>. Available at: <https://homeopathychoice.org/wp-content/uploads/2019/01/the-Efficacy-of-Individualised-Homeopathic-Treatment-on-Constipation.pdf>

significant benefit of homeopathy over placebo reducing the duration of postoperative ileus and shortening the time to first flatus.³⁵⁴

In summary, homeopathy is beneficial in a wide range of gastrointestinal tract disorders, but further clinical investigation and prioritization is necessary. Many cured cases have been recorded in the worldwide homeopathic literature, but these represent only a tiny fraction of those seen and helped by the hundreds of thousands of homeopathic physicians in worldwide daily clinical practice. Prioritization of research in homeopathy is sorely needed, particularly in the realm of gastrointestinal disorders.

About the Author

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³⁵⁴ Barnes J, Resch KL, Ernst E. Homeopathy for postoperative ileus? A meta-analysis. *J Clin Gastroenterol* 1997 Dec;25(4):628-33. Available from: <https://pdfs.semanticscholar.org/e869/d7d961c32a8516662202790fe5913711ac8.pdf>. Available from: <https://homeopathychoice.org/wp-content/uploads/2019/01/Homeopathy-for-postoperative-ileus-a-meta-analysis.pdf>



Epidemic

Infectious Diseases,

Public Health

and Homeopathy

Andre Saine, ND

An extensive review of the literature on the results obtained by homeopathy during epidemics reveals important findings both about the efficacy and costs of homeopathic treatment. The main findings of this research are:

1. With more than 25,000 volumes, the homeopathic literature is vast and rich in reports about the results obtained during epidemics. Over 9,000 references, including close to 500 books and pamphlets address this topic.
2. Results obtained through the use of homeopathy during epidemics reveals a very important and clear constancy: homeopathy reduces mortality rates. This remains true, regardless of the physician, time, place or type of epidemic disease, including diseases carrying a very high mortality rate, such as cholera, smallpox, diphtheria, typhoid fever, yellow fever and pneumonia.^{358, 359}
3. The low mortality rates associated with homeopathic treatment are consistently superior to the results obtained not only by allopathic medicine practiced at that particular time but, as a rule, by modern conventional allopathic methods as well, despite the many benefits provided by modern nursing and hygienic care.
4. Homeopathic medicines have been successfully used prophylactically to protect large segments of the population providing an effective medical

³⁵⁸ Bradford TL. *The Logic of Figures, or, Comparative Result of Homeopathic and Other Treatments*. Philadelphia: Boericke and Tafel, 1900.

³⁵⁹ Saine A. What do you consider to be the best clinical evidence supporting the efficacy of homeopathy for any indication? https://homeopathy.ca/debates_2013-03-22_SummaryResponseFromAndreSaine.shtml

system with the best therapeutic outcomes during epidemics. Homeopathy is safe, effective and inexpensive and it cannot be explained by the placebo effect.

Pneumonia—Leading Cause of Death in US

Despite the advent of antibiotics, pneumonia remains a major cause of morbidity and mortality even in developed nations. It is currently the leading cause of death from infectious diseases in the United States.³⁶⁰ More than 1.2 million Americans are hospitalized every year due to pneumonia and in 2005, the combination of both pneumonia and influenza cost the U.S. economy \$40.2 billion and the European economy \$30 billion.^{361, 362}

In the U.S., the age-adjusted annual mortality rate for pneumonia/influenza has been steadily rising over the last few decades. In 1979, it was 11.2 (per 100,000 persons); in 1998, it was 13.2; and in 2011, it had reached 15.7. Pneumonia consistently accounts for the overwhelming majority of these deaths.^{363, 364}

Worldwide, an estimated 1.2 million children under the age of five die every year from pneumonia (more than AIDS, malaria and tuberculosis combined)³⁶⁵ and in developing nations, 1 in 3 children die every year from or associated with acute respiratory tract infections.³⁶⁶

Community acquired pneumonia (CAP) continues to have a high mortality rate of 13.7%, while health care acquired pneumonia (HCAP) is even higher (between 50 and 70%). Average mortality is lowest in ambulatory patients (5.1%), intermediate in hospitalized patients (13.6%), higher in elderly (17.6%), and higher still in those with bacteremia (19.6%), those residing in nursing homes (30.8%) and in intensive care units (36.5%).³⁶⁷

If pneumonia develops as a secondary event in patients already hospitalized for other conditions, the mortality rates can be as high as 50–70%.^{368, 369}

In the U.S. in 2005, there were more than 60,000 deaths due to pneumonia in persons older than 15 years. Admission to an intensive care unit was required in 10 to 20% of patients hospitalized with pneumonia. The 30 day mortality rate for hospitalized CAP patients was as high as 23%. Despite the availability and widespread adherence to recommended allopathic treatment guidelines, CAP continues to present a significant risk in adults. Furthermore, given the aging population in North America and the ubiquitous increasing microbial resistance to antibiotic drugs, allopathic clinicians expect to encounter increasing difficulty in treating adult patients with CAP.³⁷⁰

The table (below) compares mortality data of patients with pneumonia derived from mixed populations receiving both ambulatory and hospitalized care both in both Europe and the United States. Records show that out of 148,345 pre-antibiotic allopathy patients (PAA) there were

³⁶⁰ Pneumonia Fact Sheet. American Lung Association. October 2003. <https://www.lung-health-and-diseases/lung-disease-lookup/pneumonia/>

³⁶¹ Centers for Disease Control. MMWR Prevention and Control of Influenza: Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2007; 56 (July): 1–54. <https://www.cdc.gov/mmwr/preview/mmwrhtml.rr5606a1.htm>

³⁶² Welte T, Torres A, Nathwani D. Clinical and economic burden of community-acquired pneumonia among adults in Europe. *Thorax* 2012; 67 (1): 71–79. <https://thorax.bmj.com/content/67/1/71.long>

³⁶³ Murphy SL. Deaths: Final data for 1998. *National Vital Statistics Reports* 2000; 48 (11): 25. https://www.cdc.gov/nchs/data/nvsr/nvsr48/nvs48_11.pdf

³⁶⁴ Hoyert DL, Jiaquan Xu. Deaths: preliminary data for 2011. *National Vital Statistics Reports* 2012; 61 (6): 28. https://www.cdc.gov/nchs/data/nvsr/nvsr61_06.pdf

³⁶⁵ Pneumonia. WHO April 2013; Fact sheet N331. https://www.cd.gov/nchs/data/nvsr/nvsr61/nvsr61_06.pdf

³⁶⁶ Gareene M, Ronsmans C, Campbell H. The Magnitude of mortality from acute respiratory infections in children under 5 years in developing

countries. *World Health Statistics Quarterly* 1992; 45 (2–3): 180–191. <https://www.ncbi.nlm.nih.gov/pubmed/1462653>

³⁶⁷ Fine MJ, et al. Prognosis and outcomes of patients with community-acquired pneumonia. A meta-analysis. *JAMA* 1996; 275: 134–141. <http://jamanetwork.com/journals/jama/article-abstract/393952>

³⁶⁸ https://www.who.int/pmnch/media/press_materials/fs/fs_mdg4_childmortality/en/

³⁶⁹ <https://tinyurl.com/UCDAVISpneumonia>

³⁷⁰ File TM, Marrie TJ. Burden of community-acquired pneumonia in North American adults. *Postgraduate Medicine* 2010; 122: 130–41. <https://www.ncbi.nlm.nih.gov/pubmed/20203464>

with pre-antibiotic allopathy (PAA) there were 36,073 deaths resulting in an average mortality rate of 24.3%.

36,073 deaths, resulting in a mortality rate of 24.3%..^{371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384}

The mortality for data patients with pneumonia treated with homeopathic medicine (also derived from a mixed population of both ambulatory and hospitalized patients during the same time period

³⁷¹ Routh CH. The Fallacies of Homeopathy. London, 1852.
https://archive.org/stream/b22334610/b22334610_djvu.txt

³⁷² Dewey WA. Editorials. Pneumonia and its treatment. Medical Century 1912; 19: 250-253.
<https://babel.hathitrust.org/cgi/pt?id=mdp.39015076633901;view=1up;seq=264>

³⁷³ de Bonneval H. Considerations sur l'homeopathie. (Bordeaux: Imprimerie Adrien Bousin, 1881), 19-22.
<https://babel.hathitrust.org/cgi/pt?id=mdp.39015020136555;view=1up;seq=9>

³⁷⁴ Kruger-Hansen. Ueber dos Heilverfahren bei Pneumonien. Medicinischer Argos 1842; 4: 341-361.
<https://play.google.com/books/reader?id=CBYNKzLcBvcC&hl=en&pg=GBS.PA341>

³⁷⁵ Greenwood J, Candy RH. The fatality of fractures of the lower extremity and of lobar pneumonia of hospital mortality rates, 1751- 1901. Journal of the Royal Statistical Society 1911; 74: 363-405.
https://www.jstor.org/stable/2340401?seq=1#page_scan_tab_contents

³⁷⁶ Osler W. The mortality of pneumonia. University Medical Magazine 1888; 1:77-82.
<https://play.google.com/books/reader?id=EF4sAAAAYAAJ&hl=en&pg=GBS.PA77>

³⁷⁷ Dickson SH. Essay on Pneumonia. In Studies in Pathology and Therapeutics. New York: William Hood & Co., 1867.
<https://archive.org/details/studiesinpatholooodick/page/110>

³⁷⁸ Sturges O, Coupland S. The Natural History and Relations of Pneumonia. 2nd Edition. London: Smith, Elder & Co., 1890.
<https://babel.hathitrust.org/cgi/pt?id=nnc2.ark:/13960/t2q53cn2r;view=1up;seq=7size=125>

³⁷⁹ Osler W. The Principles and Practice of Medicine. 8th ed. New York and London: D. Appleton and Company, 1912.
<https://archive.org/stream/principlesandpro40slegoog?ref=ol#page/n6/mode/2up>

³⁸⁰ Barber JP. Pneumonia in children. Homoeopathic Journal of Pediatrics 1907; 2: 24-26.

³⁸¹ Holt LE. The Diseases of Infancy and Childhood. 5. edition. New York: D. Appleton and Company, 1909: 556, 577.
<https://play.google.com/books/reader?id=RR71cBPh-F4C&hl=en&pg=GBS.PR1>

³⁸² Cecil RL, Baldwin HS, Larsen NP. Lobar pneumonia: A clinical and bacteriological study of two thousands typed cases. Archives of Internal Medicine 1927; 40: 253-280.
<https://jamanetwork.com/journals/jamainternalmedicine/article-abstract/535490>

³⁸³ In the statistics of the London Hospital, cases from broncho-pneumonia have been excluded, which tend to have a higher mortality rate particularly in young children. Osler said, "Primary acute broncho-pneumonia, like lobar form, attacks children in good health, usually under two years.... The death rate in children under five has been variously estimated at from 30 to 50 percent." (Osler W. The Principles and Practice of Medicine. New York: D. Appleton and Company, 1912, 102, 106.)
<https://tinyurl.com/WOslerPrinandPract>

³⁸⁴ Holt LE. The Diseases of Infancy and Childhood. New York: D. Appleton and Company, 1909: 556, 577.
<https://play.google.com/books/reader?id=RR71cBPh-F4C&hl=en&pg=GBS.PR1>

and in the same parts of the world) demonstrates that out of 25,208 treated cases there were 865 deaths, resulting in a mortality rate of 3.4%, (7 times less than under PAA).^{385, 386, 387, 388, 389, 390, 391, 392, 393}

Finally, the mortality data of community-acquired pneumonia (CAP) patients receiving contemporary (allopathic) conventional care (CCC), which made full use of advances in nursing, IV-hydration, nutrition and oxygenation (none of which were available to the previous two sets of patients- PAA and homeopathy) demonstrated that out of 33,148 patients with CAP there were 4,541 deaths resulting in a mortality rate of 13.7%³⁹⁴

³⁸⁵ Saine A. The Weight of Evidence. The Extraordinary Success of Homeopathy in Times of Epidemics. In preparation,
http://www.homeopathy.ca/publications_det02.shtml

³⁸⁶ de Bonneval H. Considerations sur l'homeopathie.. (Bordeaux: Imprimerie Adrien Bousin, 1881), 19-22.
<https://babel.hathitrust.org/cgi/pt?id=mdp.39015020136555;view=1up;seq=9>

³⁸⁷ Bodman CO. Pneumonia in children; illustrated by fifty consecutive cares treated at the New Orphan Houses, Bristol, without mortality. Journal of the British Homeopathic Society 1910; 18: 213-244.
<https://babel.hathitrust.org/cgi/pt?id=mdp.39015062238202;view=1up;seq=261>

³⁸⁸ Dewey WA. Editorials. Pneumonia and its treatment. Medical Century 1912; 19: 250-253.
<https://babel.hathitrustarekaifit?imdp.39015076633901;view=luarme0=264>

³⁸⁹ del Mar IL Thirty s© of pneumonia. Homosopathician 1914; 4: 53-54.

³⁹⁰ Wells GH. A study of the comparative value of the homeopathic treatment and other methods of treatment in lobar pneumonia. Journal of the American Institute of Homeopathy 1922-1923; 15: 541-550.
<https://olay.monle.conillsookstreaderlid=dtIVAOAIAA78/11=en8trismGBS.PA541>

³⁹¹ Fiske ER. A survey otter statistics of the homeopathic ..lent of lobar pneumonia. Journal of the American Institute of Homeopathy 1928; 21: 886-993 Intortrchive araidetails/loicoffiouresoroobradMaae/164.

³⁹² Pulford A, Dayton Pulford. Homoeopathic Idadem in Pneumonia. (Published by the authors: Dayton, Ohio, 1928), 5. hop: sssss.spssldsst.s.p 417577392

³⁹³ Foubistr DM. Homeopathy in the treatment of pneumonia and acute bronchitis. British Homeopathy Journal 1956; 45: 65-71.
<http://www.sciencedirect.com/science/article/ii/S0007078556800331>

³⁹⁴ Fine MJ, et al. Prognosis and outcomes of patients with community-acquired pneumonia. A meta-analysis. JAMA 1996; 275-134-141. <https://jamanetwork.com/journals/jama/article-abstract/393952>

Mortality rates from conventional versus homeopathic treatment:

Treatment	Number of patients	Number of recoveries	Survival rate	Number of deaths	Mortality rate
PAA	148,345	112,272	75.7	36,073	24.3
CCC	33,148	28,607	86.3	4,541	13.7
Homeopathy	25,208	24,343	96.6	865	3.4

This data clearly indicates that there are distinct therapeutic advantages of utilizing homeopathic medicine in the treatment of pneumonia both in and outside of the hospital setting.



Epidemic Diphtheria-Hospital Data on Benefits of Homeopathy

An illustrative example of the remarkable benefits of homeopathy on mortality is the epidemic of malignant diphtheria that occurred in Philadelphia, Pennsylvania between 1859-1860. (Other reports following outbreaks of Yellow Fever, cholera,

measles and other epidemic diseases demonstrate similar results).

On June 7, 1860, Constantine Hering, MD reported at the annual meeting of the American Institute of Homeopathy the results he and Drs. Lippe had obtained during this epidemic of malignant diphtheria:

“The epidemic diphtheria commenced in Philadelphia, December last, and increased slowly in number and violence during the following three months and I have not seen any more during the last six weeks... I have had during this time about 50 to 60 cases with marked symptoms of diphtheria, in one case, I succeeded in obtaining the membrane for microscopic examination, which I add herewith. I had about the same number of light cases. All recovered within seven days, except a very few of so-called scrofulous diathesis, which required more time. The time it took to effect a cure, I consider one of the most important items in statistics tables, as I remember that since I have learned to give the doses higher, the duration of acute cases has been shortened... Dr. Lippe has had about a number of cases, and as far as I recollect, has given nearly the same medicines in the same potencies with success. Dr. Reichhelm had had 6 or 8 weeks ago, about 80 cases, has given the 30th potency and lost none”³⁹⁵

Hering went on to confirm:

“these were genuine cases of fully developed diphtheria, treated by us, and does not include the multitude of sore throats which we treated, and which lacked the characteristics of diphtheria”³⁹⁶

Meanwhile during the same time period, conventional allopathic physicians noted mortality rates increasing until 1864 when the epidemic finally ceased.³⁹⁷ The combined mortality from diphtheria, scarlet fever and croup under

³⁹⁵ Hering C. Reports on cases of diphtheria. Transactions of the American Institute of Homeopathy 1860. 159-160.

³⁹⁶ Wells PP. Diphtheria and bacteria. Homoeopathic Physician 1881; 1: 249-250.

³⁹⁷ Appendix. Journal of the Select Council of the City of Philadelphia, from July 1, 1876, to January 1, 1877. Philadelphia: E.C. Markley & Son. 1877: 643.

conventional allopathic care increased annually until reaching 50%.³⁹⁸

In 1881, esteemed physician P.P. Wells of Brooklyn, New York referenced the results of this epidemic: “This is proved in the history of an epidemic of uncommon severity which prevailed in a neighboring city a few years ago. The fatal cases under allopathic treatment were more than fifty percent, of all so treated; while under the average of homeopathic, so called, the loss was but sixteen per cent; and in the same epidemic three (homeopathic) physicians treated over two hundred and forty cases (actually over 300 cases of which half were of the malignant type) without a single death. When told of this successful practice, the result seemed so extraordinary as to be incredible”.³⁹⁹

Reports from this particular epidemic in Philadelphia are also found in the Transactions of the College of Physicians of Philadelphia for the years 1859, 1860 and 1861 and confirm the malignant character and timing described above.⁴⁰⁰ Because of “close resemblance” between diphtheria and other serious diseases affecting the upper respiratory tract, namely membranous croup and scarlet fever, the epidemic was not immediately recognized. In 1861, the College sanitarian finally confirmed that the epidemic was indeed malignant diphtheria.⁴⁰¹

As for the outcome of conventional treatment of these cases of epidemic malignant diphtheria, aside from the 50% mortality rate which was reported, the College sanitarian added, “this formidable enemy, which, as yet, particularly in its malignant type has resisted, in a majority of instances, the most watchful and judicious treatment”.⁴⁰² Similar observations were made elsewhere in the allopathic

literature: “severe cases often perish in spite of anything that may be done to relieve them”⁴⁰³

Homeopathic Prophylaxis- Disease prevention

Homeopathic medicines given to large segments of the population serve as protective agents prior to or in the midst of epidemic outbreaks. A good example is the 1974-75 meningococcal meningitis epidemic in Brazil that affected 250,000 individuals, killing more than 11,000 and injuring 75,000 with permanent brain damage and disability. Epidemics of *Neisseria meningitidis* are uncommon, but because this microorganism spread easily in overcrowded living conditions, it claimed large numbers of victims. In children treated without antibiotics the mortality rate can exceed 80%.

During this epidemic, in the city of Guaratinguetá (Sao Paulo state, population 78,000) 18,000 children received one drop of the homeopathic medicine “meningococcinum A and C” orally as prophylaxis. Within the first three months only 5 of the homeopathically treated children contracted meningitis compared with 10 in the control group of 6,364. The calculated treatment failure rate was 0.021% in the homeopathic group compared with 0.15% in the untreated group (Odds ratio of contracting meningitis was seven times greater in the control group, $P = 0.0009$). This highly significant difference meant that in a population of 100,000, the morbidity rate would have fallen from 15,000 to 2,100, a highly significant reduction.⁴⁰⁴

Homeoprophylaxis is free of side effects, while conventional vaccination, which introduces microbial toxins and other known and unknown biological and non-biological contaminants such as mercury, aluminium or other very toxic preservatives and agents directly into the bloodstream, produces both short and long-term consequences. While few scientists seem to be interested in investigating side-effects, they produce local adverse reactions in 3% of infants,

³⁹⁸ Jewell W. Report on meteorology and epidemics for 1859. Summary of the Transactions of the College of Physicians of Philadelphia. 1863; 3 (ns) 426, 434.

³⁹⁹ Op Cit, Wells PP.

⁴⁰⁰ Jewell W. Report on meteorology and epidemics for 1859. Summary of the Transactions of the College of Physicians of Philadelphia. 1863; 3 (ns) 326, 327

⁴⁰¹ Jewell W. Report on meteorology and epidemics for 1859. Summary of the Transactions of the College of Physicians of Philadelphia. 1863; 3 (ns) 426

⁴⁰² Jewell W. Report on meteorology and epidemics for 1859. Summary of the Transactions of the College of Physicians of Philadelphia. 1863; 3 (ns) 327

⁴⁰³ Jacobi A. On diphtheria and diphtheritic affections. American Medical Times 1860; 1: 93-98, 112-116. <https://tinyurl.com/JacobiDiphtheria>

⁴⁰⁴ David Castro, Jorge W. Galvao Nogueira. Profilaxis de la meningitis con meningococcinum. Homeopathia 1974; 41 (5): 6-11

and fever in 37% following with the meningococcal group C vaccine.⁴⁰⁵

A second example of homeoprophylaxis took place in the state of Uttar Pradesh, India in 1991 against Japanese encephalitis (J.E.), which has a mortality rate of 30% and has produced recurrent epidemics in India since 1970. Between 1987 to 1989 (out of 16,871 cases) there were 5,172 deaths. In 1991, a single dose of the homeopathic medicine “Belladonna 200 C” was administered prophylactically to 322,812 people in 96 villages in three districts. Follow-up indicated that there were no cases of illness in the sampled population⁴⁰⁶. In Andhra Pradesh, another Indian state, a program of three different homeopathic medicines was administered over several determining that:

“After its commencement in 1999 the mortality and morbidity rates of J.E. fell drastically. 343 cases were reported in 2000 with 72 deaths, in 2001 only 30 cases with 4 deaths, in 2002 only 18 cases but no deaths, in 2003 and 2004 no cases recorded”.⁴⁰⁷

A third example of homeoprophylaxis took place in Cuba in 2007 during an epidemic of leptospirosis, a zoonotic disease of major importance in the tropics. Symptoms caused by leptospirosis infection are extremely variable and potentially dangerous. They include meningitis, pneumonitis, hepatitis, nephritis, mastitis, myocarditis, hemorrhagic crisis and multi-organ failure, with a reported mortality varying between 4 - 50%.

In the midst of an epidemic occurring in 2007, two doses of homeopathic medicine were administered orally to 2.1 million persons (88% of those living in

three high-risk provinces). Twelve months later, the schedule was completed by another administration of two more oral doses to 2.3 million persons (96% of the population).

Investigators found a significant reduction (84%) of the disease incidence in the provinces receiving homeopathic intervention, while incidence of leptospirosis rose in those provinces not receiving intervention (by 22%) despite the significantly higher risk of contracting the disease in the intervention regions.

The cost of homeoprophylaxis was found to be 98% less than the cost of conventional vaccination even though the world's only commercially available vaccine against Leptospirosis is manufactured in Cuba.⁴⁰⁸

In conclusion, homeopathy offers safe, cost-effective and clinically viable alternatives to conventional medicine for the prevention and treatment of patients with infectious diseases. Homeopathy is poised to play a major role in the public health system of the United States. Further investigation is definitely warranted and long overdue.

About the Author

Andre Saine, ND is a graduate of the National College of Naturopathic Medicine and is board-certified in homeopathy by the Homeopathic Academy of Naturopathic Physicians (HANP). He is a world-renowned teacher and lecturer and is considered one of the world's foremost experts on the subject of homeopathy.

⁴⁰⁵ Rennels MB, et al. Safety and immunogenicity of four doses of Neisseria meningitidis group C vaccine conjugated to CRM197 in United States infants. *Pediatric Infectious Disease Journal* 2001; 20 (2): 153-9.
<https://www.ncbi.nlm.nih.gov/pubmed/11224833>
https://journals.lww.com/Didi/Abstract/2001/02000/Safety_and_immunogenicity_of_four_doses_of.7.aspx

⁴⁰⁶ Rastogi DP, Sharma VD. Study of homoeopathic drugs in encephalitis epidemic (1991) in Uttar Pradesh (India). *Central Council for Research Quarterly Bulletin* 1992; 14: 1-11.
<http://www.firh.org/temOndianiResHomoeoDathv92123-4866046133100.pdf>

⁴⁰⁷ Manchanda, R. K. (ad.). Acute Encephalitis Syndrome/JE Homeopathic Perspective. Retrieved January 25, 2019, from <https://healthindiachronicle.in/acute-encephalitis-syndromeie-homoeopathic-oersoeactive-dr-rai-k-manchanda-dg-cerh/>

⁴⁰⁸ Brack G, et al. Large-scale application of highly-diluted bacteria for Leptospirosis epidemic control. *Homeopathy* 2010; 99: 156-166.
<https://www.ncbi.nlm.nih.gov/pubmed/20674839>



The Safety *of* Homeopathy

Ron Dushkin, MD & Ron Whitmont, MD

Two of the most important questions that must be asked of any form of medicine are: "Is it safe?" and "do the benefits outweigh its risks?"

When it comes to homeopathy, the answer to both these questions is "yes."

Homeopathy has been in worldwide use for more than two centuries. It is currently being utilized by more than 500 million people and several hundred thousand physicians. It is the second most commonly used form of medicine in the world. There have been billions of exposures to homeopathic medicines, thousands of case reports, and numerous articles published in peer-reviewed scientific journals on this topic.

There are no documented cases confirming that homeopathic medicines are responsible for hospitalization, life-threatening reactions, persistent or significant disability/incapacity or congenital anomaly/birth defects, allergic reactions, serious adverse events, or deaths. Homeopathic treatment is only rarely associated with side effects of any sort, and these

consistently tend to be both "mild and transient." Homeopathy is probably the safest form of medicine ever developed by man.

Adverse Effects of Homeopathy

According to testimony provided to the Food and Drug Administration (FDA) regarding the National Poison Data System (NPDS) and The American Association of Poison Control Centers (AAPCC), exposure reports to "homeopathic" products account for 1% (or less) of all calls to Poison Control Centers. The AAPCC does not verify the identity of the "homeopathic" products (and identity confusion abounds between herbal and dietary supplements), which can lead to an overestimation of reports being attributed to "homeopathic" products. Nevertheless, the overwhelming majority (98%) of reports regarding "homeopathic" products are categorized as either minor or no adverse effects, and these are typically managed without the need for a medical referral. Compared with conventional pharmaceutical drugs,

"homeopathic" medicines demonstrate greater safety and fewer adverse events, by several orders of magnitude.⁴⁰⁶

Both consumer and operator confusion at groups like Poison Control Centers frequently leads to mis-characterization of non-homeopathic products (i.e., herbal or nutritional) as homeopathic. Reports provided by these centers often lump together groups of diverse products into the single category of "homeopathic" (thereby misrepresenting and inaccurately reporting adverse effects to homeopathic products which are not homeopathic).⁴⁰⁷ Similar confusion takes place among both authors and editors of some of the world's leading medical journals when they mistakenly identify adverse effects due to non-homeopathic products and categorize them as resulting from homeopathy (when they are not).^{408, 409}

An extensive search performed by physicians at the Royal London Homeopathic Hospital included a systematic review of information regarding adverse effects of homeopathic medicines identified using electronic databases, hand searching, searching reference lists, reviewing trial and article bibliographies, contacting homeopathic manufacturers and drug regulatory agencies in both the UK and USA, and by communicating directly with experts in homeopathy. The group concluded that the mean incidence of adverse effects of homeopathic medicines was slightly greater than placebo in controlled clinical trials (9.4 vs 6.1) but their impacts were minor, transient and consistent, mostly involving headaches, tiredness, skin eruptions, dizziness, bowel dysfunction such as diarrhea or loose stools, and, more frequently, aggravations of patients' pre-existing symptoms (see Homeopathic Aggravations, below). These authors were unable to identify any serious adverse events (SAE) related to homeopathic products concluding that:

"Homeopathic medicines in high dilutions... are probably safe and unlikely to provoke severe adverse reactions."⁴¹⁰

The safety of homeopathic products was independently reviewed in 11 trials published between 1986 and 1995 and the authors concluded that:

⁴⁰⁶ <https://www.regulations.gov/document?D=FDA-2015-N-0540-4429>
Presentation from Edward P. Krenzlok, Rocky Mountain Poison and Drug Center.

⁴⁰⁷ Ullman D. The FDA and Regulation of Homeopathic Medicines. Huffington Post 2015.
<https://www.huffingtonpost.com/dana-ullman/the-fda-and-regulation-of-b8125722.html>

⁴⁰⁸ Posadzki P, Alotaibi A, Ernst E. Adverse effects of homeopathy: a systematic review of published case reports and case series. *Int J Chin Pract* 2012;66(12):1178-88. <https://www.ncbi.nlm.nih.gov/pubmed/23163497>

⁴⁰⁹ Saine, A. (2013, March 28). Homeopathy: Great Medicine or Dangerous Pseudoscience? Retrieved from <https://www.homeopathy.ca/debates/>

⁴¹⁰ Dantes F, Rampes H, Do homeopathic medicines provoke adverse effects? A systematic review. *Br Homeopathic J* 2000;89 (Supl 0):535-8.
<https://www.ncbi.nlm.nih.gov/pubmed/10939781>

- Homeopathic medicines may provoke AEs, but these are generally mild and transient
- There is under-reporting
- There are cases of 'mistaken identity', where herbal and other medicines were [mistakenly] described as homeopathic
- The main risks associated with homeopathy are indirect, relating to the prescriber rather than the medicine.⁴¹¹

A study performed at the Glasgow Homeopathic Hospital acute care facility tracked 1,000 consecutive patients with acute medical issues treated homeopathically. They found that adverse reactions took place in less than 2% of cases and that these reactions were consistently mild and transient.⁴¹²

The European Council for Classical Homeopathy (ECCH) performed an extensive in-depth analysis of the safety of homeopathic medical products using literature reviews, surveys of treatment provided by practitioners, overviews from regulatory bodies and self-regulation of the medical profession, and determined that harm can result from several sources: product contamination, product toxicity, and incorrect utilization.

These authors determined that due to the specific nature of homeopathic products (their dilution through the potentization process) and the application of Good Manufacturing Practices (GMP) both in the EU and the USA, coupled with appropriate use, they are safe to use beyond the 1:10,000 (10-5 or 5C) dilution. They determined that: "homeopathic treatment has a very high level of safety, particularly in comparison with conventional medicinal products."⁴¹³

A systematic review of 24 placebo controlled trials of homeopathic treatment published between 1966 to 2002 included a total of 3,437 patients and determined that three times as many adverse events were found in those taking homeopathic medicines when compared with placebos.⁴¹⁴ These events were always mild and transient, but they concluded that while homeopathic remedies are not totally devoid of adverse effects, they are clearly distinguishable from placebos.⁴¹⁵

⁴¹¹ Fisher P, Dantas F, Rampes H. The safety of homeopathic products. *J R Soc Med* 2002;95(9):474-476. <https://www.ncbi.nlm.nih.gov/pubmed/1280007/>

⁴¹² Reilly D Homeopathy: Increasing Scientific Validation. *Altern Ther Health Med* 2005;11(2):28-31. <https://www.ncbi.nlm.nih.gov/pubmed/15819447>

⁴¹³ The Safety of Homeopathy. An ECCH Report. January 2009. https://www.omeopatia.org/upload/Image/my_news/safety%20homeo.pdf

⁴¹⁴ The Safety of Homeopathy. An ECCH Report. January 2009. https://www.omeopatia.org/upload/Image/my_news/safety%20homeo.pdf

⁴¹⁵ The Safety of Homeopathy. An ECCH Report. January 2009. https://www.omeopatia.org/upload/Image/my_news/safety%20homeo.pdf

A health technology assessment authorized by the Swiss government concluded that extensive reviews of clinical studies demonstrate that homeopathy is both safe and effective.⁴¹⁶

Homeopathic drug interactions with conventional medications have also been studied through worldwide literature searches and found to be extremely unlikely "due to the enormous dilutions usually involved and the lack of classical pharmacological or toxicological effects" of homeopathic medicines, unless improperly or carelessly prepared.⁴¹⁷

A systematic review of observational studies, including 7,275 subjects, published after 1995 revealed that adverse events reported from homeopathic treatment occur in 0 – 11% of subjects, depending on the study. These events tend to be mild and transient, and include headaches, localized pain, dryness of skin, rashes, eye irritation, digestive problems (upset stomach, vomiting), feelings of heat, agitation, and psychological symptoms such as increased irritability and feelings of depression.⁴¹⁸

Some studies have compared the incidence of adverse events between conventional and homeopathic treatment and conclude that (a) adverse events from conventional medicines are at least twice as likely, and (b) adverse events from conventional medicines tend to be more severe. No serious adverse events (SAE) have ever been reported from homeopathic treatment.⁴¹⁹

Homeopathic Aggravations

Homeopathic "aggravations" are not side effects per se, because they are generally defined as a transient worsening of a patient's already existing symptoms. They are typically considered to be a favorable response, indicating that a curative reaction to the homeopathic treatment is taking

place. Many studies note that these aggravations exist, although their incidence is not known.⁴²⁰

An example of a homeopathic aggravation might be a mild and transient elevation in temperature following the administration of a homeopathic medicine to a patient who already has a fever. The mild and transient elevation in temperature is typically followed by a swift therapeutic decline in temperature back to the normal range along with generalized improvement in all other symptoms. Homeopathic aggravations are thought to be the result of inherent homeostatic mechanisms built into the immune system that accelerate physiologic pathways augmenting the innate immune response leading to reestablishment of health. Most homeopathic physicians consider homeopathic aggravations of pre-existing symptoms to be common, and many believe that they are a necessary stage in the curative recovery process.^{421, 422, 423, 424, 425.}

Conclusion

Many investigations into homeopathic treatment including randomized controlled trials, observational studies, experimental studies, case reports, systematic reviews, worldwide literature searches, consultation with regulating authorities, and conversations with homeopathic practitioners reveal that homeopathy is an extremely safe and effective form of medicine.

Adverse events from homeopathic treatment are uniformly only "mild and transient" and no serious adverse events from homeopathic treatment have ever been verified. Careful review of the available scientific data does indicate that homeopathy is not only safe, but effective; its benefits clearly outweigh its risks.

Homeopathy, like any other medical specialty, does require a regulatory framework and a means of ensuring that products are produced according to Good Manufacturing Practices, free

⁴¹⁶ Bornhöft G, Wolf U, von 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. <https://www.ncbi.nlm.nih.gov/pubmed/16883077>

⁴¹⁷ Woodward KN. The potential impact of the use of homeopathic and herbal remedies on monitoring the safety of prescription products. *Human and Experimental Toxicology* 2005; 24: 219–233. <https://www.ncbi.nlm.nih.gov/pubmed/16004184>

⁴¹⁸ Op cit, ECCH Report

⁴¹⁹ Haidvogel M, Riley DS, Heger M, et al. Homeopathic and conventional treatment for acute respiratory and ear complaints: A comparative study on outcome in the primary care setting. *BMC Complementary and Alternative Medicine* 2007; 7:7. <https://www.ncbi.nlm.nih.gov/pubmed/1733565>

⁴²⁰ Taylor MA, Reilly D, Llewellyn-Jones RH, et al. Randomised controlled trial of homeopathy versus placebo in perennial allergic rhinitis with overview of four trial series. *Br Med J* 2000;321(7259):471–76. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC27460/>

⁴²¹ Cook TM. *Homeopathic Medicine Today*. New Canaan, US 1989; Keats Publishing: 33.

⁴²² Endrizzi C, Rossi E, Crudeli L, et al. Harm in homeopathy: Aggravations, adverse drug events or medication errors? *Homeopathy* 2005; 94 (4): 233–240. <https://www.ncbi.nlm.nih.gov/pubmed/16226201>

⁴²³ Pschyrembel W. *Pschyrembel Wotterbuch Naturheilkunde und alternative Heilverfahren*, (2. überarbeitete Auflage). Berlin 2000: de Gruyter: 107.

⁴²⁴ Swayne J. *International Dictionary of Homeopathy*. Edinburgh 2002: Churchill Livingstone: 212.

⁴²⁵ Thompson E, Barron S, Spence D. A preliminary audit investigating remedy reactions including adverse events in routine homeopathic practice. *Homeopathy* 2004; 93: 203–209. <https://www.ncbi.nlm.nih.gov/pubmed/15532700>

of contamination, toxic levels of ingredients, and that their use is widely understood and correctly administered.

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Homeopathy *in* Mental Health *and Psychiatry*

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Homeopathy is a treatment system of complementary and alternative medicine (CAM) that persists despite serious and often erroneous critiques of its theories and application. Throughout the nineteenth century, it was popular in the United States and was supported by many prominent individuals, including: major leaders of industry; political figures, two U.S. presidents, and distinguished scientists and physicians.^{426, 427}

The training of homeopaths along with ongoing research continues, outside the conventional medical healthcare system, adding to hundreds of double-blind placebo controlled studies and+ meta-analysis of randomized controlled studies.⁴²⁸ There is an immense amount of information available on homeopathy, with thousands of

publications, in many languages, spanning more than two centuries.

Today, a substantial number of health professionals practice homeopathy and millions of users around the world find it both beneficial and cost effective. Homeopathy has grown 500% between 1996 and 2003, while sales of homeopathic medicines have increased 39.5% between 2003 and 2005.⁴²⁹

One of the uses of homeopathy, and a reason for its increased popularity, is in the treatment of emotional and psychiatric conditions. Many patients and practitioners are concerned about both the short and long term side effects of conventional psychotropic medications and find homeopathy to be a viable approach.

As in many other Complementary/Alternative Medicine (CAM) modalities, there are no standard homeopathic treatment

⁴²⁶ Ullman, D. *The Homeopathic Revolution: Why Famous People and Cultural Heroes Choose Homeopathy*. North Atlantic Books. 2007 Berkeley, CA. <https://finyurl.com/TheHomeopathicRevolution>

⁴²⁷ Davidson, J *A Century of Homeopaths: Their Influence on Medicine and Health*. Springer Publishing Company, 2014 NY.

⁴²⁸ Liga Medicorum Homoeopathica Internationalis. (2016) *Scientific Framework Homeopathy - Evidenced Based Homeopathy 2016* <https://www.lmhi.org/Article/Detail/42>

⁴²⁹ Jonas, W. B., Kaptchuk, T. J., & Linde, K. A critical overview of homeopathy. *Ann Intern Med* 2003, 138(5), 393-399.

<https://vnmw.scribd.com/document/60281003/Homeopathy-Critical-Overview-of-Homeopathy>

protocols for any given diagnosis, such as specific homeopathic medicines for anxiety and depression. The indicated medicines need to be individualized according to the uniqueness of the individual patient's symptoms. This makes homeopathic research an even greater challenge to perform and interpret.

Research Studies in Homeopathy

Though detractors of homeopathy deny it, there exists a significant library of evidence supporting its use, even though a significant amount falls short of the highest criteria of evidence-based standards. According to NICE criteria,⁴³⁰ the highest degree of acceptable scientific evidence includes systematic reviews and meta analysis of randomized controlled trials (RCTs), and RTCs. Other data, such as non-randomized interventions, cohort studies, and non-experimental studies, including case reports, provide meaningful, significant and reliable evidence, because they meet other criteria (even if it is not of the highest order). Such data can be interpreted, as pilot studies, in the Idesigi and formation of protocols leading to higher levels of evidence.⁴³¹

Samuel Hahnemann, the founder of homeopathy, was a pioneer in the treatment of the mentally ill, advocating for a humane approach to those suffering.⁴³² In the United States, the first homeopathic hospital for the mentally ill was founded in Middletown, New York, in May 1874, and many of the cases and reports were published in various journals from that time.

Charles Frederick Menninger, founder of the notable Menninger Clinic, a prominent physician in his time, used homeopathy to treat mental illness. Menninger was an active member of the American Institute of Homeopathy, the oldest, extant, national medical association in the U.S., and remarked:

"Homeopathy is wholly capable of satisfying the therapeutic demands of this age better than any other system or school of medicine... it is imperative that we exhaust the homeopathic

healing art before resorting to any other mode of treatment, if we wish to accomplish the greatest success possible."⁴³³

There are few studies published on the use of homeopathy in mental health that follow current the standards of scientific methodology, though some meta-analyses of such studies suggest an overall positive effect that warrants further investigation. In one of those reviews, 8 of 10 studies demonstrate positive effects with homeopathic treatment, with reasonably high-quality methodology, as applied to the treatment of mental and psychological problems, including: depression, insomnia, nervous tension, agitation, aphasia, and behavior problems in youngsters. These studies suggest a potential value and the need for further research of homeopathic treatments along with the replication of these studies.^{434, 435.}

Other worthwhile published studies suggest that homeopathy could be useful in the treatment of some patients with anxiety and/or depression as an adjunctive or stand-alone treatment. Homeopathy was reported 12 cases of depression and/or anxiety where patients specifically requested it; six of these patients were already taking conventional medicines for these complaints. Clinical response was determined through standardized validated tests, and improvement found to be significant along with a 50% reduction in either measure, a typical criteria in studies of this type.⁴³⁶

It is reasonable to consider whether homeopathy could help medical conditions with no known effective conventional treatment. One such example is persistent mild traumatic brain injury (MTBI), a condition that imparts an inestimable financial burden on patients, families, providers, social services and health insurance providers. An estimated 10 million U.S. citizens are affected by MTBI.⁴³⁷

A randomized, double-blind, placebo-controlled pilot study of sixty patients with persistent mild traumatic brain injury

⁴³³ Menninger C. Some reflections relative to the symptomatology and materia medica of typhoid fever. Transactions of American Institute of Homeopathy, 1897. 430.

⁴³⁴ Kleijnen J, Knipschild P, terRiet G. Clinical trials of homeopathy. *BMJ* 1991; 302(6782): 316-323. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1668980/>

⁴³⁵ 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; 359(9081):834-43. <https://www.ncbi.nlm.nih.gov/pubmed/9310601>

⁴³⁶ Davidson J, Morrison R, Shore J, et al. Homeopathic treatment of depression and anxiety. *Alternative Therapies* 1997; 3(1), 46-49. <https://www.ncbi.nlm.nih.gov/pubmed/8997804>

⁴³⁷ Davidson J, Morrison R, Shore J, et al. Homeopathic treatment of depression and anxiety. *Alternative Therapies* 1997; 3(1), 46-49. <https://www.ncbi.nlm.nih.gov/pubmed/8997804>

⁴³⁷ Humphreys I, Wood RL, Phillips, et al. The Costs of Traumatic Brain Injury: a literature review. *ClinicoEconomics and Outcomes Research* 2013; 3:5: 281-287. <https://www.ncbi.nlm.nih.gov/pubmed/23836998>

⁴³⁰ NICE- National Institute for Health and Care Excellence (2016).

<https://www.nice.org.uk/>

Accessed November 6, 2016.

⁴³¹ Harbour R, Miller J. A new system for grading recommendations in evidence based guidelines. *BMJ* 2001; (323): 334-336.

<https://www.bmj.com/content/323/7308/334.1>

⁴³² Hahnemann S. *Organon of medicine*, 6th Ed. Trans. Brewster-O'Reilly, W. Redmond, WA: Birdcage Books. 1842/1996.

<https://preview.tinut.com/HahnemannOrganonTransBrewster>

determined that homeopathy, alone or used concurrently with conventional pharmacological and rehabilitation therapies, significantly improves symptoms of MTBI.

Patients with post-trauma symptoms for a minimum of 2 years (mean 2.93) were recruited for this study. Treatment efficacy was measured through assessment of statistically significant improvement in ten of the most common MTBI symptoms of social and cognitive dysfunctions (i.e.: reading, writing, scheduling, shopping, socializing).⁴³⁸

Attention Deficit Hyperactivity Disorder (ADHD) is another condition that benefits from homeopathic treatment.

Forty-three children with ADHD were treated in a double-blind, placebo-controlled, study demonstrating a statistically significant improvement in the homeopathy group compared with the placebo group. Improvement was measured by a change in a 5 point scale measuring hyperactivity, according to DSM-IV diagnostic criteria, observed by the children's caretakers.⁴³⁹

In another study of ADHD, one-hundred-and-fifteen children in Switzerland demonstrated positive results after a course of homeopathic treatment over a period of 3 months. This was a double-blind, placebo-controlled study individualizing medicine selection based on each particular patient's symptoms.⁴⁴⁰

The same research group later performed a "crossover" phase of the study and stopped the homeopathic medicines for a predetermined period of time. They found that those children, who had improved with homeopathy, regressed symptomatically when the placebo was substituted, during the second phase, and improved again when the medicine was restarted, highlighting the effect of homeopathic treatment.⁴⁴¹

If many children were treated homeopathically they could be spared of years of conventional medication, along with the well-known side effects from these drugs.

⁴³⁸ Chapman EH, Weintraub RJ, Milburn MA, et al. Homeopathic treatment of mild traumatic brain injury: A randomized, double-blind, placebo-controlled clinical trial. *J Head Trauma Rehabil* 1999; 14(6): 521-542. <https://www.ncbi.nlm.nih.gov/pubmed/10671699>

⁴³⁹ Lamont J. Homeopathic treatment of attention deficit hyperactivity disorder—a controlled study. *British Homeopathic Journal* 1997;86: 196-200. <https://www.sciencedirect.com/science/article/pii/S0007078597800440>

⁴⁴⁰ Frei H, Thurneysen A. Treatment for hyperactive children: Homeopathy and methylphenidate compared in a family setting. *British Homeopathic Journal* 2001; 90: 183-188. <https://www.sciencedirect.com/science/article/pii/S1475491699905064>

⁴⁴¹ Frei H, Everts R, von Ammon K, et al. Homeopathic treatment of children with attention deficit hyperactivity disorder, a randomised, double blind, placebo controlled crossover trial. *European J Pediatrics* (2005; 164: 758-767. <https://www.ncbi.nlm.nih.gov/pubmed/16047154>

In a retrospective analysis of these studies, the investigators described the difficulties encountered while performing this research due to the unique need to identify each individualized medicine, and to design appropriate placebos while blinding both physicians and patients. Consequently, determining the clinical efficacy of one, or several, homeopathic medicines becomes a more complex task.⁴⁴²

Complexities make the homeopathic treatment more difficult, and its research in traditional double-blind, placebo controlled, studies, extremely challenging, though not impossible. The evidence of observational, clinically homogeneous, cohort studies that are more concordant with real life practice should also be considered evidentiary, even if they are not of the highest tier of evidence.



Clinical Data

Homeopathic medicine is efficacious in the treatment of many functional somatic syndromes including fibromyalgia and chronic fatigue syndrome. It may also be helpful in relieving symptoms of anxiety and depression but because these conditions typically have a high placebo response rates, and often show spontaneous recovery, it is difficult to determine if this is a homeopathic effect.⁴⁴³

Homeopathic medicines show no significant adverse effects when compared with placebo and lower drop-out rates when compared with conventional studies. Many studies suggest

⁴⁴² Frei H, Everts R, Von Anunon K. Randomised Controlled Trials of Homeopathy in Hyperactive Children: Treatment Procedure Leads to an Unconventional Study Design. *Homeopathy* 2007; 96: 35-41. <https://www.ncbi.nlm.nih.gov/pubmed/11722746>

⁴⁴³ Davidson J, Crawford C, Ives J, et al. Homeopathic Treatments in Psychiatry: A Systematic Review of Randomized Placebo-Controlled Studies. *J Clin Psychiatry* 2011;72(6): 795-805. <https://www.ncbi.nlm.nih.gov/pubmed/21733480>

that homeopathic medicine is not only comparable to conventional antidepressants, but is also superior to placebo. In one particular trial (n=50) with moderate to severe depression utilizing a conventional antidepressant (fluoxetine) the side effects markedly interfered with participant performance and led to high rates of treatment interruption. The data proved that homeopathy was not inferior to the antidepressant.⁴⁴⁴

The treatment of moderate to severe depression in one hundred and thirty three perimenopausal and menopausal women was randomized between individualized homeopathic treatment, fluoxetine and placebo and followed for six weeks. The patients in the homeopathic group received a single medicine which could be changed on follow up if deemed necessary. The study concluded that the efficacy of the homeopathic treatment was similar to fluoxetine with respect to depression, but greater than fluoxetine with respect to resolution of menopausal symptoms. Both groups were superior to placebo.⁴⁴⁵

Considering the serious issues of substance use and abuse in the general population and the risk that many conventional medications utilized for psychiatric conditions may exacerbate these issues, the use of homeopathic medicines in the treatment of mental conditions is particularly imperative. A study looking at three hundred and forty-six patients who consulted either a homeopathic general practitioner, a conventional medical general practitioners, or general practitioners who used both conventional and homeopathic medicines, for sleeping disorders, demonstrated that patients who chose homeopathy were less likely to use psychotropic drugs through the twelve months of this study. These results are more significant considering that the patients treated with homeopathy were suffering almost twice as much as the patients treated conventionally.⁴⁴⁶

In an innovative pragmatic trial design, a cohort, multiple randomized controlled trial, was developed to permit the

assessment of a homeopathic intervention in a "real world" setting. Patients who sought care for depression or anxiety were randomized into two groups who either received treatment as usual, or added homeopathy in addition to the usual care. The trial included one hundred and sixty-two patients who ranged from 18 to 85 years of age. Severity of depression and anxiety ranged between moderate to severe. Seventy percent of the patients had suffered from these conditions for more than five years. Those who supplemented conventional treatment with homeopathic medicine demonstrated significant moderate reduction of depression and anxiety scores that was not noted in the control group.⁴⁴⁷

Another cohort study (n=110) of patients suffering from depression and anxiety, compared those who consulted either a conventional medicine general practitioner or a homeopathic general medicine practitioner. After one year, the patients who consulted homeopaths had greater clinical improvement and reported less psychotropic and benzodiazepine medication use.⁴⁴⁸

Thousands of case reports have been published in homeopathic medical journals since the nineteenth century including patients afflicted with various mental disorders who received beneficial homeopathic treatment. Although case reports do not represent the highest standard of investigational inquiry within conventional biomedicine, they are valid representations of successful individualized therapeutic homeopathic interventions. Reports of this calibre are particularly relevant and necessary in CAM modalities, like homeopathy, where "one-size" does not "fit-all."

Many of these collected case descriptions and outcomes have a high level of reliability since they represent conditions with good treatment responses, often where effective conventional medical solutions were not available or had already failed.⁴⁴⁹ These detailed case reports in the homeopathic literature are important and relevant to establishing an evidence-base in the treatment of various conditions including: depression with suicidal ideation, chronic pain, sleep disorders, premenstrual syndrome, anxiety disorders, arthritis of the

⁴⁴⁴ Adler UC, Paiva NMP, Cesar AT, et al. Homeopathic Individualized Q-Potencies versus Fluoxetine for Moderate to Severe Depression: Double-Blind, Randomized Non-Inferiority Trial. Evidence-Based Complementary and Alternative Medicine 2011; 2011, Article ID 520182, 7 pgs. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3136538/>

⁴⁴⁵ Macias-Cortés EC, Llanes-Gonzalez L, Aguilar-Faisal L et al. Individualized Homeopathic Treatment and Fluoxetine for Moderate to Severe Depression in Pre- and Postmenopausal Women (HOMDEP-MENOP Study): A Randomized, Double-Blind, Double-Blind, Placebo Controlled Trial. Plos One 2015; DOI: 10.1371/journal.pone.0118440 <https://www.ncbi.nlm.nih.gov/pubmed/25768800>

⁴⁴⁶ Grimaldi-Bensouda L, Abenheim L, Massol J, Guillemot D, et al. Utilization of psychotropic drugs by patients consulting for sleeping disorders in homeopathic and conventional primary care settings: the EPI3 cohort study. Homeopathy 2015;104 (3): 170-175. <https://www.ncbi.nlm.nih.gov/pubmed/26143449>

⁴⁴⁷ Viksveen P, Relton C & Nicholl. Depressed Patients Treated by homeopaths: a randomized trial using the "cohort multiple randomised trial" (cmRCT) Design Trials (2017; 18:299; DOI 10.1186/s13066-017-2040-2 <https://trialsjournal.biomedcentral.com/articles/10.1186/s13066-017-2040-2>

⁴⁴⁸ Danno K, Duru G & Vetel JM. Management of Anxiety and Depressive Disorders in Patients > 65 Years of Age by Homeopath General Practitioners versus Conventional General Practitioners, with Overview of the EPI3-LASER Study Results. Homeopathy 2018;107(2): 81-89. <https://www.ncbi.nlm.nih.gov/pubmed/29558779>

⁴⁴⁹ Slonim D, White K. Homeopathy and psychiatry. J Mind Behavior 1983;4(3): 401-410. <https://www.jstor.org/stable/43852988>

spine and hips, migraines, and menopausal symptoms,⁴⁵⁰ phobias, neurosis, stroke sequelae, cerebral dysfunction, Meniere's disease,⁴⁵¹ acute psychosis⁴⁵², manic-depressive disorder, obsessions,⁴⁵³ dissociative disorders, character pathology, posttraumatic stress disorder,⁴⁵⁴ alcoholism,⁴⁵⁵ alcohol withdrawal, delirium tremens (DT), binge drinking,⁴⁵⁶ special needs children with various cognitive handicaps, traumatic brain injury, irritability, anger, restlessness, sleep disorders, enuresis, encopresis, autistic behaviors, mental retardation, apathy, tantrums, hypersexual behaviour,⁴⁵⁷ autism spectrum disorder (ASD),⁴⁵⁸ mental retardation, seizure disorder, temper tantrums, phobias, crying spells, obsessive-compulsive behavior, malicious aggression, self-injury, biting, sleeplessness, mood swings, slow cognitive function, extreme sensory sensitivity, gross and fine motor disturbances, extreme oral sensitivity, aversion to multiple foods, sleeplessness, continuous self-talk,⁴⁵⁹ and behavioural problems.⁴⁶⁰

Conclusion

Homeopathy was once a highly favoured system of medicine in the U.S., but it fell into decline around the turn of the 20th century. Since the 1970's, due to the limitations of conventional allopathic medicine particularly with respect to the treatment of chronic diseases, there has been a resurgence of homeopathy. All things considered, homeopathic principles are congruent with many established scientific theories and observed phenomena.⁴⁶¹

Interest in homeopathy is on the ascendance among clinicians and patients worldwide, in part because of the wide breadth of the many positive anecdotal accounts of its efficacy.

The available homeopathic literature is vast, spanning more than 200 years and thousands of publications, with impressive case presentations scattered throughout. It is a challenge to clearly determine treatment efficacy using homeopathy for mental illness, but current evidence is strongly suggestive of its benefits over a wide range of conditions. It is a safe, viable and cost-effective form of medicine, but much more research is certainly warranted. There are compelling reasons to support the allocation of funds to promote this research.⁴⁶²

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⁴⁵⁰ Detinis L. Mental symptoms in homeopathy. London, England: Beaconsfield Pubs. 1994.

https://www.narayana-verlag.com/homeopathy/pdf/Mental-Symptoms-in-Homeopathy-Luis-Detinis.03000_2Fear.pdf

⁴⁵¹ Bodman F. Insights into homeopathy. Beaconsfield Press, England: Davies and Pinsent Editors.1990.

⁴⁵² Boltz O. Some original investigations on the treatment of schizophrenia and associated symptoms due to a functional disturbance of integration in the diencephalon using the principle of Similia Similibus Curantur. J Amer Instit Homeopathy 1968;61(4): 219-234.

⁴⁵³ Saine A. Psychiatric Patients: Back to the Roots: Steps in case taking. Pg. 261-268. Eindhoven, Netherlands: Lutra Services. 1997.

⁴⁵⁴ Shevin W. Case presentations. J Amer Inst Homeopathy 1989;77(2):59-66.

⁴⁵⁵ Gallavardin J. Psychism and homeopathy. Pgs. 47-49. New Delhi, India: B. Jain Publishers. 1960/90.

⁴⁵⁶ Grazyna M, Trzebiatowska-Trzeciak O. Homeopathic treatment of alcohol withdrawal. British Homeopathic Journal with Simile 1993;82(4):249-251.

⁴⁵⁷ Haidvogel M, Lehner E, Resch D. Homeopathic treatment of handicapped children. British Homeopathic Journal 1993;82(4): 227-236.

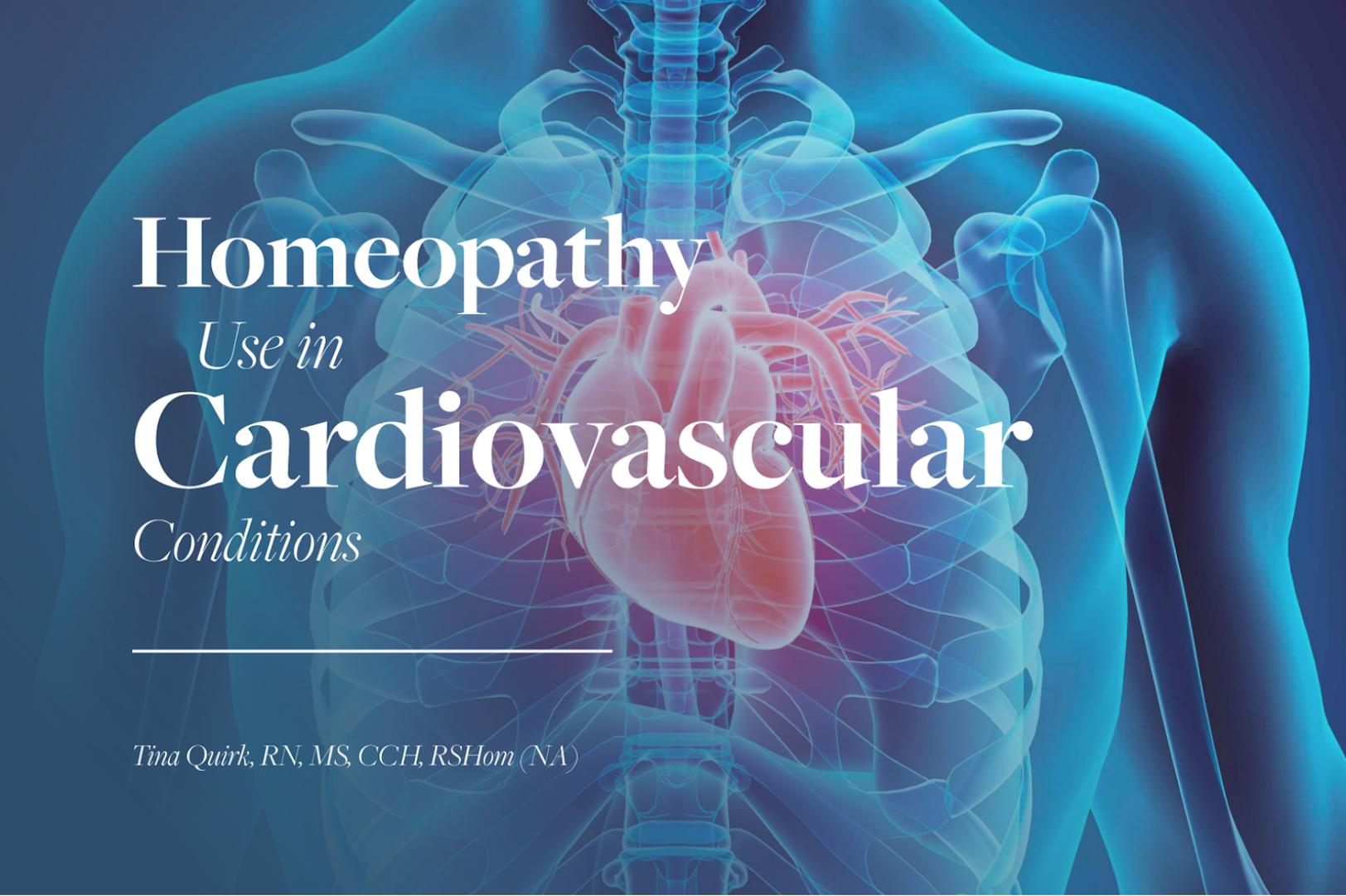
⁴⁵⁸ Lansky A. Impossible Cure-The Promise of Homeopathy. R.L. Ranch Press, Portola Beach, CA. 2003.

⁴⁵⁹ Rajalakshmi MA. Homeopathic Treatment as Adjunct to Neuropsychological Therapies in Children with Autism Spectrum Disorders. Int J Public Mental Health and Neurosciences 2015;2(3):13-18.

⁴⁶⁰ Cortina J. Enuresis and its homeopathic treatment: Study of 20 cases treated with ilex paraguayensis. British Homeopathic Journal 1994;83(4): 220-222.

⁴⁶¹ Merizalde B. Fundamentals of Complementary, Alternative, and Integrative Medicine, Marc S. Micozzi M) PhD (Author), Saunders, 6th. Edition, 2018.

⁴⁶² Merizalde B. "Homeopathy and Psychiatry," Chapter 9, in: "Integrative Psychiatry", Monti D & Beitman B, eds, Oxford University Press, USA; 1 edition 2009. <https://epdf.tips/integrative-psychiatry-weil-integrative-medicine-library25c6a63ce9c2ef2c1c3933e105a7615951.html>



Homeopathy

Use in

Cardiovascular

Conditions

Tina Quirk, RN, MS, CCH, RSHom (NA)

Homeopathy is an effective form of holistic medicine that utilizes many specially prepared natural substances. It is both cost effective and inherently safe, being fully compatible for use in conjunction with, or as a substitute for, conventional medications. Use of homeopathy has been found to (a) reduce the incidence of adverse effects that are frequently associated with most conventional medications and (b) lower treatment costs. The combination of these effects can result in significant savings along with improved outcomes.

Homeopathy is the prototype therapy of individualized medicine, frequently mirrored, but never fully matched even by recent trends frequently referred to as "personalized" or "designer" medicines.

Cardiovascular disease is considered the leading cause of mortality in the U.S. and acute myocardial infarction is estimated to be responsible for 31% of deaths globally.⁴⁶³ Numerous investigations demonstrate the importance of

addressing lifestyle interventions including diet, smoking cessation and regular exercise, but emerging research in the field of homeotherapeutics demonstrates the importance of incorporating a homeopathic approach.

The existing worldwide database of homeopathic research is extremely limited, but the few studies that have been performed demonstrate overwhelmingly positive results reflecting a need for further investigation. Homeopathic practitioners throughout the world have successfully utilized homeopathy to treat a wide range of common cardiac ailments, including angina, palpitations, cardiac syncope, hypertension, congestive heart failure, and many other

⁴⁶³ Yeh, RW, Sidney, S, Chandra, M. Population trends in the incidence and outcomes of acute myocardial infarction. *N Engl J Med* 2010; 362(23): 2155-2165. <https://www.ncbi.nlm.nih.gov/pubmed/20558366>

vascular conditions^{464, 465, 466, 467} in the ambulatory setting, the hospital and the intensive care unit (ICU).⁴⁶⁸

Hypertension

In America 74.5 million people, or one adult in three, have high blood pressure, which can be linked to increased risk of cardiovascular disease. Several studies show the benefits of homeopathic medicines in lowering blood pressure. A number of clinical studies, case controlled reports and trials have evaluated the effects of homeopathic treatment in essential hypertension.^{469, 470, 471, 472}

A prospective, double-blind, randomized, placebo-controlled, parallel-arm clinical trial of six months duration evaluated the effects of homeopathic treatment on 132 patients with essential hypertension. The results demonstrated a statistically significant reduction in both systolic and diastolic blood pressure as a result of homeopathic treatment (p=0.0001). The authors concluded that individualized homeopathy produced a significantly different hypotensive effect than placebo.⁴⁷³

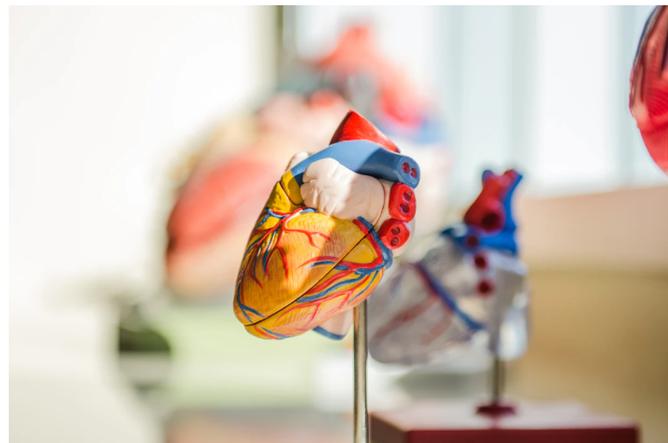
A study of 32 patients with essential hypertension were compared with 10 placebo controls over 9 months of treatment. Results demonstrated that 75% of those treated

homeopathically normalized their blood pressures compared with only 40% in the placebo group.⁴⁷⁴

A retrospective cohort study of 41 hypertensive patients comparing homeopathy as a single therapy compared with and homeopathy plus conventional medicine demonstrated that homeopathy by itself is as efficacious as homeopathy plus conventional pharmacotherapy in the treatment of hypertension.⁴⁷⁵

A double-blind randomized placebo controlled clinical trial evaluated individualized homeopathic therapy in the treatment of 68 subjects with mild to moderate hypertension. Eighty two percent of those receiving homeopathy improve compared with a 57% of those receiving placebo.⁴⁷⁶

A randomized double-blind study of 32 immobilized hypertensive nursing home patients failed to show improvement from randomly assigned homeopathic treatment, but retrospectively demonstrated "strikingly positive results" in those subjects whose treatment corresponded to individualized, or constitution-based treatment.⁴⁷⁷



While most of the published research focuses on hypertension, a few studies address other serious cardiovascular conditions:

⁴⁶⁴ Poirer J: Homeopathic Treatment of the Diseases of Heart. Translated by Dr. Rajkumar Mukerji, Reprint, B Jain Publishers (P) Ltd., 1998, pp 83-87

⁴⁶⁵ Bernoville F: Remedies of the Circulatory and Respiratory system. 2nd ed. Reprint, B Jain Publishers (P) Ltd., 1999: 4.13.33-34

⁴⁶⁶ Merrell WC, Rothenberg A. Homeopathy and Cardiovascular Disease. Chap 14 in. Stein RA, Oz MC. eds. Complementary and Alternative Cardiovascular Medicine: The Clinical Handbook. Humana Press, 2004. https://link.springer.com/chapter/10.1007/978-1-59259-728-4_2

⁴⁶⁷ Mamtani R, Whitmont RD Homeopathy With a Special Focus on Treatment of Cardiovascular Disease Chapter 13 in Frishman M, Weintraub M, Micozzi Ivi, eds Complementary and Integrative Therapies for Cardiovascular Disease., Elsevier, St. Louis, 2005:232-247.

⁴⁶⁸ Frass Ivi, Bundner M (ed). Homeopathy in Intensive Care and Emergency Medicine. Narayana Verlag Germany, Kandern. 2015; Ch 3, 10. 7 https://www.hypertension-bloodpressure-center.com/hypertension-statistics.html_accessed_1/21/2019

⁴⁶⁹ Gutman W: Hypertension Physiology and Homoeopathic Treatment The Homoeopathic Recorder 1952; Vol. LXVII. No.2 Accessed from Encyclopaedia Homoeopathica, V 1.3, by Archibel, Belgium <https://journals.hopathy.com/2018/07/13/hypertension-physiology-and-homoeopathic-treatment/>

⁴⁷⁰ Palsule SG: Homoeopathic Treatment for Asthma and Blood Pressure 3rd ed. Reprint, B Jain Publishers (P) Ltd., 1999, pp7-1

⁴⁷¹ Banerjee NK: Blood Pressure — Its Aetiology and Treatment Revised ed Reprint, B Jain Publishers (P) Ltd., 1998, pp 119-120

⁴⁷² Cartier F: Arterial hypertension. Translated by Williams CA The Homoeopathic Herald 1947; Vol VII, No. 10. Accessed from Encyclopaedia Homoeopathica, V 1.3, by Archibel, Belgium

⁴⁷³ Saha S, et al., Individualized homeopathy versus placebo in essential hypertension: A double-blind randomized controlled trial. Indian Journal of Research in Homoeopathy, 2013, 7, 2, 62-71 accessed at https://www.researchgate.net/publication/273363059_Individualized_homoeopathy_vs_placebo_in_essential_hypertension_A_double-blind_randomized_controlled_trial

⁴⁷⁴ Master FL A Study of Homoeopathic Drugs in Essential Hypertension. Brit Hon: J 1987; 76(3): 120-121.

⁴⁷⁵ Phing TC. A Retrospective Cohort Study on the Efficacy of Homeopathy Compared to Homeopathy Plus Conventional Medicine in the Treatment of Hypertension. Homeopathy 2016; 105(11) accessed at: <https://hopathy.com/scientific-research/an-update-on-research-in-homeopathy>

⁴⁷⁶ Campistrano- Lavout J.L., et al, Hypertension Trial. Boletin Mexican, 1999, 32, 42- 47. <https://pdfs.semanticscholar.org/46ef/60a700fd85d3bf14855a33baca6646b64dbb.pdf>

⁴⁷⁷ Bignamini M, Bertoli A et al: Controlled double-blind trial with Baryta carbonica 15CH versus placebo in a group of hypertensive subjects confined to bed in two old people's homes. BJH 1987; 76: 114-119

Cardiac insufficiency

A study of 212 patients with mild cardiac insufficiency (NYHA II) compared homeopathic treatment with both ACE inhibitors and diuretics over 8 weeks. The authors found that single agent homeopathic treatment was equivalent to conventional therapy with two agents across, 14 out of 15 endpoints. The only area where the homeopathic treatment did not excel was with respect to blood pressure reduction.⁴⁷⁸

Arrhythmia

A retrospective study of the effectiveness of homeopathic treatment in 28 patients with one of five cardiac rhythm disorders, including atrial fibrillation, paroxysmal supraventricular tachycardia (PSVT) and extrasystole demonstrated favorable results. All patients with PSVT patients and 50 percent of those with other patients were able to completely discontinue their conventional medications. The author concluded that homeopathy certainly has a place in the treatment arrhythmias.⁴⁷⁹

Two case reports of atrial paroxysmal tachycardia in dogs were successfully resolved after 7 days of homeopathic treatment. Heart rates stabilized and synchronized while normal atrial and ventricular electrical activity was restored.⁴⁸⁰

Acute Myocardial infarction (AM)

A series of three case controlled studies of Alva in different pathological stages were treated with individualized homeopathic medicines along with conventional therapies. Cases, which were evaluated with single-photon emission computed tomography, electrocardiograph, echocardiography and ejection fraction, all demonstrated positive outcomes consistent with benefit from homeopathic treatment.⁴⁸¹

⁴⁷⁸ Schröder D, Weiser M, Klein P Efficacy of a homeopathic Crataegus preparation compared with usual therapy for mild (NYHA II) cardiac insufficiency: results of an observational cohort study. *Eur J Heart Fail.* 2003; 5(3):319–26. Accessed at <https://www.ncbi.nlm.nih.gov/pubmed/12798830>

⁴⁷⁹ Van Wassenhoven M. A retrospective study of cardiac rhythm disorders in a private homeopathic medical practice. *Br Homeopathic J* 1998; 87(2):77–85 DOI: 10.1054/homp.1999.0205 Accessed at

[https://www.journals.elsevierhealth.com/article/S1475-4916\(99\)00205-9/pdf](https://www.journals.elsevierhealth.com/article/S1475-4916(99)00205-9/pdf)

⁴⁸⁰ Varshney JP, Chaudhuri S. Atrial paroxysmal tachycardia in dogs and its management with homeopathic Digitalis--two case reports. *Homeopathy* 2007; 96(4):270–2. DOI 10.1016/j.homp.2007.08.017 accessed at <https://www.ncbi.nlm.nih.gov/pubmed/17954385>

⁴⁸¹ Tenzera L, Djindjic B, Mihajlovic-Elez o, Pulparampil BJ, Mahesh S, Vithoulkas G. Improvements in long standing cardiac pathologies by individualized homeopathic remedies: A case series. *SAGE Open Med Case Rep.* 2018 Aug 9;6 accessed at <https://journals.sagepub.com/doi/10.1177/2050313X18792813>

Platelet Aggregation

A placebo controlled rat model demonstrated normalization of deficiencies in platelet aggregation following homeopathic treatment.⁴⁸²

Conclusion

Homeopathy is a useful and relatively unexplored modality that promises lower cost, safety and improved clinical outcomes. The available research suggests that homeopathy stands poised to offer significant benefits and advantages in the treatment of cardiovascular diseases.

About the Author

Tina Quirk, RN MS CCH, RSHom (NA) is a board-certified classical homeopath with a background as an advanced practice nurse. She is an experienced practitioner, teacher, writer and researcher in homeopathy. She is a regular volunteer in outreach clinics in Tanzania for Homeopathy for Health in Africa. Currently she serves as President-Elect at the National Center for Homeopathy (NCH) and will become its President in June 2019. She is the NCH representative to the Integrative Health Policy Consortium Board of Directors and a strong advocate for access to Homeopathy as a choice for consumers in their health care.

⁴⁸² Eizayaga FX, Aguejoui O, Belon P, et al. Platelet aggregation in portal hypertension and its modification by ultra-low doses of aspirin. *Pathophysiol Haemost Thromb* 2005;34(1):29–34



Homeopathy *and* Allergies

Kathleen Scheible, CCH

While all contributing factors are not fully understood, people in industrialized societies, particularly in the United States, are developing more allergies, at a younger age, that are more severe than ever before.⁴⁸³ Homeopathic medicine has demonstrated remarkable potential to lessen a person's susceptibility to developing allergies, and to lower the severity and frequency of these conditions. Conventional allergy medications, used in a growing number of long-term daily users and children, pose significant health risks. Antihistamine use is associated with increased risk of developing dementia,⁴⁸⁴ decongestants increase blood pressure,⁴⁸⁵ corticosteroids (in metered dose inhalers) weaken vocal chords,⁴⁸⁶ and orally administered corticosteroids are associated with increased risk of developing diabetes,

osteoporosis, cataracts and growth disturbances.^{487, 488} Leukotriene modifiers are associated with increased risk of developing different psychological disturbances.⁴⁸⁹

None of these side effects have ever been associated with homeopathic treatment, since homeopathy does not cause harmful side effects. On the contrary, homeopathy has been found to increase overall health, in a holistic manner, without inducing long term complications or adverse drug reactions. Homeopathy is usually more cost effective over a person's lifetime, including those with allergies.

Conventional allergen immunotherapy or desensitization is a relatively new approach to allergy treatment and shares some commonality with the homeopathic principle of using a small

⁴⁸³ Silverberg, JL, Simpson EL, Durkin HG. et als. Prevalence of Allergic Disease in Foreign-Born American Children. *JAMA Pediatrics* 2013; 167(6): 554-60.

⁴⁸⁴ Wein, AJ. Cumulative Use of Strong Anticholinergics and Incident Dementia: a Prospective Cohort Study. *J Urology* 2015; 193(6):401-407.

⁴⁸⁵ Salerno, SM, Jackson JL, Berbano EP. Effect of Oral Pseudoephedrine on Blood Pressure and Heart Rate: a Meta-Analysis. *Arch Int Med New Series* 2005; 165(15):1686-1697.

⁴⁸⁶ Galván CA., Guarderas JC. Practical Considerations for Dysphonia Caused by Inhaled Corticosteroids. *Mayo Clin Proceed* 2012; 87(9):901-904.

⁴⁸⁷ Tamez-Perez HE, Quintanilla-Flores DL, Rodríguez-Gutiérrez R, et al. Steroid Hyperglycemia: Prevalence, Early Detection and Therapeutic Recommendations: a Narrative Review. *World J Diabetes* 2015; 6(8):1073-1081.

⁴⁸⁸ Canalis E. Mechanisms of Glucocorticoid Induced Osteoporosis. *Arthritis Res Ther* 2004;6 (Suppl 3):37.

⁴⁸⁹ Haarman MG, van Hunsel F, de Vries TW. "Adverse Drug Reactions of Montelukast in Children and Adults." *Pharm Res Perspect* 2017; 5(5).

amount of a substance capable of causing symptoms to treat those same symptoms. In homeopathy, this principle is known as the Law of Similars (or "like cures like.") However, there is a difference between homeopathy and conventional desensitization: homeopathic medicines are prepared differently. Not only are they more highly diluted, but they are also mechanically agitated (succussed) following precise guidelines established more than two centuries ago.

Ongoing research indicates that nanostructures, including nanoparticles from the original source material are generated by these mechanical stress forces and that they persist in all homeopathic medicinal dilutions. Data analysis suggests that these nanoparticles are biologically active via an adaptive network nanomedicine form of hormesis.⁴⁹⁰ It appears that these ultra-high dilution levels of homeopathic medicines eliminate the risk of developing anaphylaxis (potentially fatal collapse) and a myriad of other common side effects seen in conventional allergy immunotherapy treatment.

Both clinical and laboratory research demonstrate that homeopathic preparations (resulting from the combined techniques of dilution and succussion- as opposed to simple dilution alone) yield biologically active medicines capable of producing significant impact in the treatment of allergies.⁴⁹¹

Scientific Evidence

The classical homeopathic methodology demands that the selection of medicines be based on the totality of symptoms expressed by the individual patient, rather than on the particular allergen itself (which is the method used in modern desensitization treatment methods.) The latter method, known as "isopathy" (in Greek, homeo means "similar" and iso means "same") shares some common ground with, but is significantly different from the homeopathic approach.

Different people exposed to the same allergen react differently and express a wide range of allergic symptoms. The homeopathic process matches (individualizes) medicines to each individual. This selection process makes the scientific study of homeopathy more challenging, when compared to the conventional medical research process of pre-selecting the same substance that will be administered randomly to a large group of people with mixed placebo controls. To simplify the study process, many homeopathic studies have utilized

isopathic mixtures of common allergens as interventions, rather than going through the process unique to homeopathy, which includes individualization.

One of the most important studies conducted on the homeopathic treatment of allergies was a double-blind placebo-controlled trial using a combination of flower pollens in the treatment of hay fever. After treatment, the placebo group had six times more symptoms than the homeopathic treatment group. The homeopathic treatment group in this study needed half as many antihistamines due to the reduction of their allergy symptoms.⁴⁹²



Another double-blind placebo controlled study evaluated the use of homeopathic medicines prepared specifically from an isopathic formulation of the substance that individuals were most allergic to. Those receiving the homeopathic preparation demonstrated superior breathing (demonstrated by nasal inspiratory peak flow) compared with placebo. Improvements were equivalent to measurements that were typically observed in those using oral steroids. Homeopathic subjects demonstrated improvement that was 7 times better than the placebo group.⁴⁹³

A month-long randomized placebo controlled double-blind clinical trial utilized homeopathic preparations of common allergens during allergy season in the Southwest U.S. The study demonstrated significant improvement in the homeopathic group compared to placebo ($p < 0.05$). There were no reported adverse events, indicating the potential

⁴⁹⁰ Bell IR. "Adaptive Network Nanomedicine an Integrated Model for Homeopathic Medicine." *Frontier Bioscience* 2013; 5(2):685-708.

⁴⁹¹ Wiesenauer ML, Ludtke R. "A Meta-Analysis of the Homeopathic Treatment of Pollinosis with Galphimia Glauca." *Br Homoeopathic J* 2000; 89(S 01): \$52.

⁴⁹² Reilly DT, Taylor MA, McSharry C, et al. "Is Homoeopathy a Placebo Response? Controlled Trial of Homoeopathic Potency, with Pollen in Hay Fever As Model." *Lancet* 1986;18;2(8512):881-6.

⁴⁹³ Taylor M, Reilly D, Lewellyn-Jones R, et al. "Randomised Controlled Trial of Homoeopathy versus Placebo in Perennial Allergic Rhinitis with Overview of Four Trial Series." *BMJ* 2000; 321: 471-476.

benefits of homeopathic intervention in reducing symptoms and improving quality of life in patients with seasonal allergic rhinitis.⁴⁹⁴

A systematic review of randomized controlled trials of allergic rhinitis through 2015 found that homeopathic medicines reduce both ocular and nasal allergy symptoms.⁴⁹⁵

In Vitro Use of Homeopathy

High quality, controlled trials of homeopathic medicines in vitro demonstrate consistent and reproducible effects on basophil degranulation (responsible for histamine release, immune activation and allergy symptoms). Homeopathic preparations, at high dilutions, inhibit the up-regulation in anti-IgE stimulated human basophils, demonstrating a molecular model of how homeopathic medicines work at the cellular level.⁴⁹⁶

Reduced Need for Conventional Medicines

Fifty-six percent of patients in an Israeli study reduced their use of conventional medications following homeopathic intervention for their allergies. Patients who used conventional medications for their allergic disorders reduced medication expenses by an average of 60%, with an average savings of \$24 per person in the 3-month trial period following the homeopathic intervention.⁴⁹⁷

In Switzerland, a government conducted review of clinical trials of homeopathic medicines found that homeopathy was efficacious in 29 studies of upper respiratory tract infections (URTI) and allergic reactions. In 6 out of 7 controlled trials, homeopathy was equivalent to (or better than) conventional treatment.⁴⁹⁸

⁴⁹⁴ Kim LS, Riedlinger JE, Baldwin CM, et al. "Research Reports - Allergy - Treatment of Seasonal Allergic Rhinitis Using Homeopathic Preparation of Common Allergens in the Southwest Region of the Us: a Randomized, Controlled Clinical Trial." *Annals of Pharmacotherapy* 2005; 39(4): 61

⁴⁹⁵ Banerjee K, Kushal, Costelloe C, Mathie RT, et al. "Homeopathy for Allergic Rhinitis: Protocol for a Systematic Review." *Systematic Review* 2014; 3(1):59.

⁴⁹⁶ Chirumbolo S, Brizzi M, Ortolani R, et al. "Inhibition of Cd203c Membrane Up-Regulation in Human Basophils by High Dilutions of Histamine: a Controlled Replication Study." *Inflammation* 2009; 58(11):755-764.

⁴⁹⁷ Mathie RT. "Effects of Homeopathic Intervention on Medication Consumption in Atopic and Allergic Disorders." *Homeopathy* 2002; 91(4): 264.

⁴⁹⁸ Bornhöft G, Matthiessen PF. *Homeopathy in Healthcare -- Effectiveness, Appropriateness, Safety, Costs: An Hta Report on Homeopathy As Part of the Swiss Complementary Medicine Evaluation Programme*. Berlin: Springer, 2011.

Homeopathy and Pediatric Allergies

An observational longitudinal study of more than 850 children over 16 years demonstrated major overall improvement in more than 75% of participants. Complete remission was noted in 70% of those with atopy, 84% with dermatitis, 48% with allergic rhinitis, and 71% with asthma. Forty percent of children with two or three atopic diseases at the first visit had complete remission.⁴⁹⁹

A prospective multicenter observational study of 40 children with allergic conjunctivitis, allergic rhinitis, bronchial asthma and neurodermatitis demonstrated substantial improvement ($p < 0.001$) after homeopathic treatment. Most patients (68%) utilizing conventional medicines at the outset of the study were able to discontinue at least one conventional drug, while the remainder (32%) were able to significantly reduce dosages after using homeopathy. No side effects were reported during treatment.⁵⁰⁰

A multi-centric open clinical trial of more than 630 children suffering from acute rhinitis were treated with individually selected homeopathic medicines. All subjects noted a significant change in their symptom score from the baseline ($p < 0.05$) over one week of treatment. No complications were observed during the treatment, and adverse events included hyperpyrexia in 2 children only. The authors concluded that homeopathic medicines are both safe and useful in the management of acute rhinitis of children.⁵⁰¹

Conclusion

The U.S. population is demanding less harmful and more effective treatment interventions for non-emergency chronic health conditions, particularly for children and those suffering from allergies. Clinical trials of homeopathic treatment demonstrate impressive "real world" efficacy in many types of allergies, without the common side effects or other long-term negative health outcomes associated with conventional medicines. Laboratory evaluations confirm that homeopathic medicines differ from placebo, while research demonstrates that biologically active material is present in high dilutions of these medicines. Further research, funding

⁴⁹⁹ Rossi E, Picchi M, Bartoli P, et al. "Homeopathic Therapy in Pediatric Atopic Diseases: Short and Long-Term Results." *Homeopathy* 2016; 105(3):217-224.

⁵⁰⁰ Gründling C, Schimetta W, Frass M. "Real-life Effect of Classical Homeopathy in the Treatment of Allergies: a Multicenter Prospective Observational Study." *Wiener Klinische Wochenschrift* 2012; 124: 1-2.

⁵⁰¹ Nayak C, Singh V, Singh K, et al. A multi-centric open clinical trial to evaluate the usefulness of 13 predefined homeopathic medicines in the management of acute rhinitis in children. *Int J High Dilution Res* 2010; 9(30): 30-42.

of education and infrastructure and utilization of homeopathy at all levels of public health should be encouraged for this two-century-old form of safe, natural, and effective medicine for allergy reduction.

About the Author

Kathleen Scheible, Certified Classical Homeopath (CCH), has a homeopathy general practice in San Francisco, California. Kathleen got interested in homeopathy because of how much it benefited her kids, and transitioned to practicing homeopathy after an engineering career in Silicon Valley. Kathleen is the founder of the Bay Area Homeopathy Association and is the current president of the California Homeopathic Medical Society.



Homeopathic Certification *for* Health Care *Practitioners in the USA*

A Brief Overview provided by Americans for Homeopathy Choice

Homeopathy is a federally recognized form of medicine in the United States, according to the Food Drug and Cosmetic Act. Several different organizations offer specialty certification to practitioners, including board certification for medical doctors, osteopaths, naturopathic physicians, as well as those who are not medically trained professionals.

Several examples are attached:

- CCH - Certified Classical Homeopath. This certification is provided by the Council for Homeopathic Certification (CHC), a member of the National Commission for Certifying Agencies and the Institute for Credentialing Excellence (ICE), to qualified individuals.
- DHANP- Diplomate Homeopathic Academy of Naturopathic Physicians. This certification is available to qualified Naturopathic Physicians, through the Homeopathic Academy of Naturopathic Physicians (HANP) an affiliate of the American Association of Naturopathic Physicians (AANP), who meet the prerequisites and successfully demonstrate competency through case submission and an oral interview.
- ABHT- Diplomate American Board of Homeotherapeutics. This certification, through the American Board of Homeotherapeutics an affiliate of the American Institute of Homeopathy (AIH), grants advanced specialty status to qualified medical and osteopathic physicians who meet the prerequisites and successfully pass a written and an oral examination.

NCCA Accredits the Certified Classical Homeopath Credential (CCH)

On July 21, 2017, the National Commission for Certifying Agencies (NCCA) granted accreditation to the **Council for Homeopathic Certification (CHC), for its Certified Classical Homeopath (CCH) credential**, for demonstrating compliance with the NCCA Standards for the Accreditation of Certification Programs. NCCA is the accrediting body of the Institute for Credentialing Excellence and was founded in 1977 as a commission whose mission is to help ensure the health, welfare, and safety of the public through the accreditation of a variety of certification programs that assess professional competence. NCCA uses a peer review process to: establish accreditation standards; evaluate compliance with these standards; recognize programs which demonstrate compliance; and serve as a resource on quality certification.

The CHC joins an elite group of organizations representing over 300 programs that have received NCCA accreditation.

About the CHC

The CHC is a member of the Institute for Credentialing Excellence (ICE) and as such follows the distinction of professional certification as a voluntary process by which individuals are evaluated against predetermined standards for knowledge, skills, or competencies. Formed in 1991 and incorporated in 1992, the CHC is a 501(c) (6) non-profit organization that certifies individuals who meet and maintain recognized professional standards and ethical competence in classical homeopathy. Assisting the general public in choosing appropriately qualified homeopaths, the CHC envisions healthcare systems that include access to certified classical homeopathic practitioners.

What Is Naturopathic Medicine?

Naturopathic medicine is a system of primary health care that blends modern scientific knowledge with traditional and natural forms of medicine. It emphasizes the use of natural modalities—such as nutrition, homeopathy, lifestyle counseling and botanical medicine—to promote wellness and treat illness. Naturopathic doctors (NDs) work according to a set of basic principles—the Principles of Naturopathic Medicine—that include such things as stimulating the healing power of the body and addressing the underlying causes of

Acting as an autonomous governing board, the CHC maintains oversight and responsibility for all certification and recertification policy decisions, including governance, eligibility standards, appeals and disciplinary actions, and the development, administration, scoring, and reporting of assessment instruments.

The Homeopathic Academy of Naturopathic Physicians (HANP) is a specialty organization within the naturopathic medical profession. We are affiliated with the American Association of Naturopathic Physicians (AANP). The HANP is a nonprofit organization with no owners or stockholders. It relies on the volunteer work of the HANP Board, student representatives, and focus group volunteers.

Our mission is to promote excellence in the practice of homeopathy among naturopathic physicians. We establish and uphold specialist standards, provide education and mentorship, and are committed to protect and preserve homeopathy as a core therapeutic modality within the naturopathic profession.

HANP Activities Include:

- Encouraging the development and improvement of homeopathic curriculum at naturopathic colleges.
- Distributing our published Simillimum – a peer-reviewed annual journal of homeopathic practice.
- Offering homeopathic continuing education.
- Providing board certification in classical homeopathy to naturopathic physicians.
- Working with other homeopathic organizations towards the advancement of the homeopathic profession.

disease, rather than focusing on alleviating symptoms. The practice of naturopathic medicine requires understanding illness within the context of a person's whole life.

The naturopathic approach to healthcare also emphasizes patient education and self-care. Naturopathic medicine can be used in conjunction with conventional medical therapies to support the body's healing processes—an approach referred to as "integrative medicine." In some clinics and hospitals, NDs work in collaboration with MDs, DCs, DOs, acupuncturists, and other healthcare practitioners, and they

refer patients for emergency and other situations when necessary.

While NDs primarily use natural healing approaches, they are also trained to perform minor surgeries, such as removing cysts or suturing superficial wounds, as well as to utilize prescription drugs under certain circumstances.

Overview of Naturopathic Medical Education

Doctoral programs in naturopathic medicine (ND programs) in the U.S. and Canada are offered by multipurpose universities as well as naturopathic doctor colleges that focus solely on providing naturopathic medical education. These programs emphasize the use of natural modalities—such as nutrition, homeopathy, lifestyle counseling and botanical medicine—in maintaining wellness and treating illness. The comprehensive program of study also includes coursework in the biomedical and clinical sciences similar to what is studied in DO, DC and ND programs, as well as hands-on clinical training. All Council on Naturopathic Medical Education-accredited (<https://cinne.org/>) naturopathic doctor schools/programs (ND

programs) are primarily campus-based and typically take four years to complete. CNME-accredited ND programs qualify graduates for licensure in the U.S. and Canada. The Council on Naturopathic Medical Education does not accredit online or distance education programs.

To be eligible for accreditation, a naturopathic doctor school/program must meet CNME's rigorous accreditation standards. These standards cover program length and content, clinical training requirements, faculty qualifications, student services, student and program assessment, facilities, and library resources—among other areas. CNME accreditation ensures that students receive a high-quality medical education that prepares them for licensed practice.

For information on Council on Naturopathic Medical Education's accreditation standards, see Part Four of the CN/YIE [Handbook of Accreditation for Naturopathic Medical Programs: Accreditation Standards for Naturopathic Medicine Programs](#).

Naturopathic Licensing

NABNE (the North American Board of Naturopathic Examiners - <https://www.nabne.org>) is an independent, nonprofit organization formed as a service to the naturopathic profession and the agencies that license/register naturopathic physicians. NABNE serves regulating bodies by qualifying applicants to take the NPLEX (Naturopathic Physicians Licensing Examinations), administering the examinations, and sending exam results and transcripts to regulatory authorities.

NPLEX Examination Overview

NPLEX Examinations are case-based. This means that the examinations are comprised of clinical summaries followed by several questions pertaining to the patient's case. On the Part I - Biomedical Science Examination, the clinical summary is very brief. On the Part II - Clinical Science Examinations, the clinical summary is more extensive. Items on the Part I - Biomedical Science Examination do not require clinical training, as all relate to the biomedical basis for the patient's condition, not diagnosis or treatment. Items on the examinations are all in a multiple-choice, single-answer format (i.e., the "stem" asks a question and there are four response alternatives, only one of which is keyed as the correct answer).

NPLEX Part I - Biomedical Science Examination

The Part I - Biomedical Science Examination (BSE) is an integrated examination that consists of 200 items which cover the topics of anatomy, physiology, biochemistry & genetics, microbiology & immunology, and pathology. The examination is administered in 2 sessions (morning and afternoon) of 2½ hours each.

NPLEX Part II - Core Clinical Science Examination

The Part II - Core Clinical Science Examination (CCSE) is an integrated, case-based examination that consists of approximately 80 case clusters (400 items) which cover the topics of diagnosis (physical, clinical, and lab diagnosis and diagnostic imaging), materia medica (botanical medicine and homeopathy), other treatment modalities (nutrition, physical medicine, health psychology, and research), and medical interventions (emergency medicine, medical procedures,

public health, and pharmacology). The examination comprises a series of clinical summaries followed by several questions pertaining to each patient's case. For example, in a single case you might be asked to provide a differential diagnosis, to select appropriate lab tests, to prescribe therapies which safely address the patient's condition, and to respond to acute care emergencies. This examination is administered in three sections over the course of 3 days (3% hours each day).

Diplomat Specialty Certification: DHANP

The Homeopathic Academy of Naturopathic Physicians (HANP) was founded and incorporated in 1981 (Oregon) for the purpose of promoting excellence in the practice of homeopathy among already licensed naturopathic physicians. The HANP grants Diplomate (advanced specialty) status (DHANP) to naturopathic physician applicants who meet the prerequisites and successfully demonstrate competency through case submission and an oral interview. Diplomates of the profession establish and uphold specialist standards, provide education and mentorship, and are committed to protect and preserve homeopathy as a core therapeutic modality within the naturopathic profession.

Requirements for Candidates for the DHANP status by the HANP:

- A naturopathic doctor currently licensed in the USA or Canada. A photocopy of the naturopathic medical license is required.
- Applicants must have practiced homeopathy for a minimum of 3 years post-graduation and treated a minimum of 100 new patients.

Diplomat Specialty Certification

The ABHt was founded in 1959 and incorporated in 1960 (New York) for the purpose of promoting the science of homeopathy, and demonstrating its effectiveness to the medical profession, and insuring homeopathy's growth as a viable medical specialty in the U.S. The ABHt grants Diplomate (advanced specialty) status (D.Ht.) to those medical and osteopathic physician applicants who meet the prerequisites and successfully pass a written and an oral examination.

Meetings: Annually

Prerequisites for Candidates for Diplomate Examination by the American Board of Homeotherapeutics

1. Applicants must be eligible for American Institute of Homeopathy membership (currently licensed medical or osteopathic physicians in the USA).
2. Applicants must hold a Medical Doctor (M.D.) or Doctor of Osteopathy (D.O.) degree and be licensed to practice medicine in the state or province in which they reside in the U.S. or Canada. (A photocopy of the medical license is to accompany the application).
3. Applicants must have practiced homeopathy for a minimum of 3 years.
4. Applicants must have accumulated a minimum of 350 hours of approved homeopathic education credits; e.g., NCH Postgraduate Summer Course, IFH Postgraduate Course, etc., and provide documentation of such with the application.
5. Applicants must function under unquestionable moral and professional standards to which two members of the ABHt have attested.
6. Applicants must present, at least two months prior to the scheduled examination, 10 chronic, treated cases. Each case must have been treated for a minimum of 1 year. It is preferable to have a follow-up of three years on at least 5 of the submitted cases. Please submit each case typed and double spaced, including the initial history, examination, repertorial analysis, materia medica differential and follow up, with any necessary subsequent repertorizations.
7. Applicants must apply to Dr. Irene Sebastian, American Board of Homeotherapeutics, 401 Veterans Memorial Blvd, suite 203, Metairie LA 70005, for the examination with a check made out to the ABHt in the amount of \$500.00 at least two months prior to the examination. Prerequisites for Maintaining Diplomate Status in the American Board of Homeotherapeutics

1. Diplomates must accumulate a minimum of 30 hours of continuing homeopathic education credit every three years
 - a. Approved course: 1hr = 1 credit
 - b. Preceptor time: 1hr = 1 credit
 - c. Teaching time: 1hr = 5 credits

2. Diplomates must submit an article to the American Journal of Homeopathic Medicine for consideration for publication every three years.

a. Submit one article 5 credits

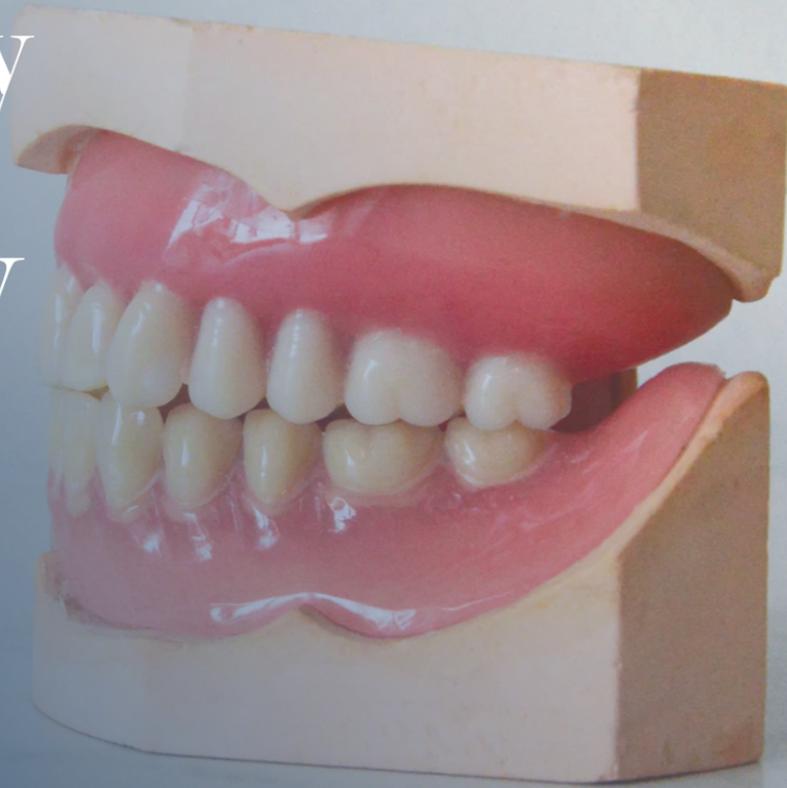
b. Submit clinical case:

-Grand rounds 5 credits

-3 short cases 1 credit

3. Diplomates pay annual dues of \$50.00.

Homeopathy *and* Dentistry



Richard Fischer, DDS

According to the Centers for Disease Control (CDC), the US population is currently plagued by at least two major dental health related challenges: periodontal (or gum) disease,¹ and the over prescription of opioids for alleviating dental and oro-facial pain.⁵⁰² The dental profession has been struggling to find better and safer alternatives in the management of these and other dental challenges for many years, yet the incidence of these problems has not decreased. Any safe and effective alternatives to their management could save thousands of lives in this country annually.

Periodontal disease

According to the American Academy of Periodontology (AAP), periodontal disease is a chronic inflammatory disease that affects the gum tissue and bone supporting the teeth. If left untreated, periodontal disease can lead to bone and tooth loss. Research has also shown that periodontal disease is

associated with other chronic inflammatory diseases, such as diabetes⁵⁰³ and cardiovascular disease.⁵⁰⁴

According to recent findings from the Centers for Disease Control and Prevention (CDC), one out of every two American adults over age 30 has periodontal disease. According to a study published by the International and American Associations for Dental Research, 47.2%, or 64.7 million American adults, have mild, moderate or severe periodontitis, the most advanced form of periodontal disease. In adults 65 and older, prevalence rates increase to 70.1%.⁵⁰⁵

For decades, physicians and dentists have paid close attention to their own respective fields, specializing in medicine pertaining to the body and the oral cavity, respectively. However, recent findings have strongly suggested that oral

⁵⁰³ Grossi SG, Genco RJ. Periodontal Disease and Diabetes Mellitus: A Two-Way Relationship. *Ann Periodontology* 1998;3(1):51-61. <https://doi.org/10.1902/annals.1998.3.1.51>

⁵⁰⁴ Beck J, García R, Heiss G, et al. Periodontal Disease and Cardiovascular Disease. *J Periodontology* 1996;67(10S):1123-1137. <https://doi.org/10.1902/iop.1996.67.10S.1123>

⁵⁰⁵ Eke PI, Dye BA, Wei L, et al. Prevalence of Periodontitis in Adults in the United States: 2009 and 2010. *J Dental Res* 2012;91(10):914-20. doi:10.1177/0022034512457373

⁵⁰² Wong WJ, Keenan J, Hudson K, et al. Opioid, NSAID, and OTC Analgesic Medications for Dental Procedures: PEARL Network Findings. *Europe PMC*. (PMID:27875056) <https://europepmc.org/abstract/med/27875056>

health may be indicative of systemic health. Currently, this gap between allopathic medicine and dental medicine is quickly narrowing, due to significant findings supporting the association between periodontal disease and other systemic conditions such as osteoporosis.⁵⁰⁶ Significant effort has led to numerous advances revealing the etiological and pathological links between chronic inflammatory dental disease and systemic conditions. There is reason to hope that the strong evidence from these studies will guide researchers towards greatly improved treatment of periodontal infection that will also ameliorate these systemic illnesses. Hence, researchers must continue, not only to uncover more information about the correlations between periodontal and systemic diseases, but also to focus on positive associations that may result from treating periodontal disease as a means of ameliorating systemic diseases⁵⁰⁷

Published research studies using homeopathic medicines to treat patients with periodontal disease have shown positive results.

A 2006 report demonstrated that homeopathic treatment had maximal anti-inflammatory effects and is clearly indicated for comprehensive treatment of inflammatory periodontal diseases in patients with burdened allergic status.



A 2012 study of a topical homeopathic medicine, "rich in quercetin, carotenoids, lutein, lycopene, rutin, ubiquinone, xanthophylls, and other antioxidants... has anti-inflammatory properties...[and] has been shown to inhibit recombinant human matrix metalloproteinase (MMP) activity and decrease the expression of tumor necrosis factor- α , Interleukin-1B (IL),

IL-6 and IL-8 in phorbol 12 myristate 13-acetate and calcium ionophore-stimulated human mast cells," examined its effects on human gingival fibroblast mediated collagen degradation and MMP activity. The authors concluded that homeopathic treatment effectively inhibited Human Growth Factor-mediated collagen degradation and MMP activity more than the corresponding concentration of quercetin alone would have allowed. This study attributed additional properties to homeopathic medicine beyond what its chemical components would have accounted for.⁵⁰⁸

A single-blind randomized controlled clinical trial with 60 subjects aged between 35 and 70 years old, compared 40 subjects with chronic periodontitis (CP) against 20 healthy volunteers (HG). Patients were treated with either conventional periodontal treatment alone, or conventional periodontal treatment plus homeopathy. Assessments were determined at baseline and after 90 days of treatment. The local and systemic responses to the treatments were evaluated by clinical and laboratory parameters, respectively. After treatment, patients receiving conventional periodontal treatment with homeopathic treatment experienced some reduction in LDL cholesterol, while those who received only conventional periodontal treatment without homeopathy did not demonstrate these health benefits. The authors concluded that homeopathy, as an adjunctive to conventional periodontal treatment, has significant additional benefits compared with conventional treatment alone.⁵⁰⁹

A randomized double-blinded controlled trial was performed one-year after the above trial, and included 50 patients with chronic periodontitis (CP) who were assigned to one of two treatment groups: scaling and root planing alone, or scaling, root planing plus homeopathic treatment. Assessments were made at baseline and after 3 and 12 months of treatment. The local and systemic responses to these treatments were evaluated by clinical and serologic parameters, respectively. Both groups displayed significant improvement, but the homeopathically treated group demonstrated statistically significantly greater clinical improvement in HDL, LDL, Total Cholesterol, Triglycerides, Glucose and Uric acid, from baseline to 1 year. Both the homeopathic and conventional groups experienced reduced periodontal pockets, suggesting that conventional periodontal care is effective locally. The findings of this 1-year follow-up randomized clinical trial

⁵⁰⁶ Geurs N, Lewis CE, Jeffcoat MK. Osteoporosis and periodontal disease progression. *Periodontology* 2000 2003;32(1):105-110. <https://doi.org/10.1046/.0906-6713.2003.03208.x>

⁵⁰⁷ Kim J, Amar S. Periodontal disease and systemic conditions: a bidirectional relationship. *Odontology* 2006; 94(1):10-21. doi: 10.1007/s10266-006-0060-6 https://www.cdc.gov/oralhealth/periodontal_disease/index.htm

⁵⁰⁸ Saini P, Al-Shibani N, Sun J, et al. Effects of *Calendula officinalis* on human gingival fibroblasts. *Homeopathy* 2012;101(2): 92-8. <https://www.ncbi.nlm.nih.gov/pubmed/22487368>

⁵⁰⁹ Mourao LC, Moutinho H, Canabarro A. Additional benefits of homeopathy in the treatment of chronic periodontitis: A randomized clinical trial. *Complement Ther Clin Pract* 2013;19(4) 246-50. Doi: 10.1016/i.ctco.2013.05.002.

suggest that homeopathic medicines, as an adjunctive to conventional scaling and root planing, provide significant local and systemic improvement for chronic periodontitis patients.⁵¹⁰

A clinical study of a homeopathic medicine evaluated bleeding and plaque index as a means of investigating its effect on gingivitis. Gingival inflammation and plaque formation are major health problems worldwide.⁵¹¹ The objective of this study was to determine the effects of homeopathic treatment on bleeding and plaque index in gingivitis. Thirty gingivitis patients were randomly assigned to homeopathic treatment or control groups. All subjects were instructed to use toothpaste twice daily for 6 months. Clinical data, which included an analysis of plaque, gingivitis and bleeding upon probing were assessed at baseline, 3 and 6 months. Results demonstrated a significant improvement in all the clinical parameters in the homeopathic treatment group ($p=0.001$) compared with the control group. Repeated-measures also demonstrated significant differences ($P.0001$). The authors concluded that homeopathic treatment led to significant mean reductions in all measured indices of gingivitis during and after homeopathic treatment.⁵¹²

Oro-facial pain and Opioid abuse

According to a study from the Stanford University School of Medicine, teenagers and young adults who receive initial opioid prescriptions from their dentists or oral surgeons have a 15 fold higher risk of developing an opioid addiction over the next year than those who aren't prescribed this class of drug. The lead researcher of this study, which reviewed records of 15,000 young adults, asked: "Why are we prescribing such a high quantity of opioids so frequently?"⁵¹³

Trigeminal neuralgia (also known as Tic Douloureux) is a neuropathic disorder of the trigeminal nerve that causes episodes of intense pain in the eyes, lips, nose, scalp, forehead, and jaw. This ailment tends to develop after the age

of 40, though there have been cases with patients who are much younger. Trigeminal neuralgia is considered to be among the most painful conditions, and is therefore labeled "the suicide disease," due to the significant number of people who have taken their own lives as a result of being unable to control their pain with either medications or surgery.⁵¹⁴

Using visual analogue scales and descriptive criteria, a group of 15 patients with physician-confirmed trigeminal neuralgia were found to exhibit statistically significant reductions in pain intensity and attack frequency ($P<0.001$) during and after four months of individualized homeopathic treatment. The researchers observed overall reductions in pain intensity by more than 60% using homeopathic treatment and concluded that homeopathic treatment is an effective and safe method for the treatment of this condition.⁵¹⁵

A placebo controlled study on dental neuralgia (a stabbing, burning, and often severe pain), carried out at the Faculty of Medicine in Marseilles, France, determined that homeopathic treatment was effective for people suffering from this condition. The study, which included 60 subjects, found that twice as many (76%) responded favorably to homeopathy compared to only 40% who responded to placebo.⁵¹⁶

Paresthesia is an abnormal sensation (e.g., a tingling, pricking, chilling, burning, or numb sensation) and paralysis is a loss of muscle (motor) function in one or more muscles, which can be accompanied by a loss of sensation if sensory nerves are damaged. Both conditions can originate from injuries to the trigeminal nerve and its terminal branches, which sometimes occur as a result of dental implants and other surgical procedures. A report published in 2013 concluded that homeopathy is an effective adjunct therapy in treating postoperative paresthesia in the dental setting. Homeopathic treatment appears to act locally at the site of damaged nerves, but was also found to contribute to overall health improvement, which was cited in reports as increased confidence and reduced stress. The authors of this study concluded that homeopathic treatment is effective as an adjuvant therapy in cases of post-surgical paresthesia,

⁵¹⁰ Murao LC, Cataldo DM, Moutinho H, et al. Additional effects of homeopathy on chronic periodontitis: A 1-year follow-up randomized clinical trial. *Complement Ther Clin Pract* 2014;20(3):141-6. DOI: 10.1016/i.ctcp.2014.03.003

⁵¹¹ Tonetti MS, Jepsen S, Jin L. Impact of the global burden of periodontal diseases on health, nutrition and wellbeing of mankind: A call for global action. *J Clin Periodontology* 2017;44(5):456-462. DOI: 10.1111/jcpe.12732

⁵¹² Reddy ES, Sharma PK, Raj P. A clinical study on effect of *Plantago* in gingivitis by assessing bleeding and plaque index. *Indian J Res Homeopathy* 2018; 12:132-8. <http://www.ijrh.org/article.asp?issn=0974-7168;year=2018;volume=12;issue=3;spage=132;epage=138;aulast=Reddy>

⁵¹³ Schroeder AR, Dehghan M, Newman TB, et al. Association of Opioid Prescriptions From Dental Clinicians for US Adolescents and Young Adults With Subsequent Opioid Use and Abuse. *JAMA Intern Med* 2019; 179(2):145-152. doi: 10.1001/iamainternmed.2018.5419

⁵¹⁴ Wu N, Lee J, Zakrzewska, et al. Trigeminal neuralgia: pharmacotherapy and surgical treatment patterns in the United States. *J Pain* 2017;18(4)(suppl):69S. doi: <https://doi.org/10.1016/j.jpain.2017.02.352>.

⁵¹⁵ Mojaver YN, Mosavi F, Mazaherinezhad A, et al. Individualized homeopathic treatment of trigeminal neuralgia: an observational study. *Homeopathy* 2007;96(2):82-86. DOI:10.1016/i.homp.2007.02.006

⁵¹⁶ Albertini H, Goldberg W, Sanguy B, et al. Homeopathic treatment of dental neuralgia by *Arnica* and *Hypericum*. *J American Institute Homeopathy* 1985; 3:126-129. https://www.researchgate.net/publication/269103523_Homeopathic_Medicine_A_n_Adjuvant_For_Dentistry_A_Review

contributing to the reversal of local oral symptoms as well as improving overall health.⁵¹⁷

In addition to success in treating periodontal disease and oro-facial pain, homeopathy demonstrates promise in managing xerostomia (dry mouth), aphthous ulcers and other oral conditions.

Twenty-eight patients with xerostomia were included in a double-blind, placebo-controlled randomized longitudinal study with crossover, utilizing individually chosen homeopathic medicines. Most patients in this study had concomitant systemic illnesses, including rheumatoid arthritis and/or Sjogren's syndrome, and took daily medications. Eighty-six percent of the homeopathic treatment group experienced a significant reduction of xerostomia, while no benefit was seen in the placebo group. In an unblinded, open follow-up crossover period, those subjects who had received placebo in the first phase (and failed to improve) were treated with individually prescribed homeopathic medicines and demonstrated improvement of xerostomia. The authors concluded that individually prescribed homeopathic medicine is a valuable adjunct to the treatment of oral discomfort and xerostomia.⁵¹⁸

A randomized, single blind, placebo-controlled clinical trial of individualized homeopathy was performed in 2009 to clinically investigate the efficacy of homeopathy in the treatment of minor recurrent aphthous ulceration. One hundred subjects with minor aphthous ulceration were treated with individualized homeopathic medicines and evaluated for pain intensity and ulcer size. Results conclusively demonstrated a statistically significant difference between homeopathic treatment and placebo at day 4 and day 6 (P<0.05). No adverse effects were reported. The authors concluded that homeopathic treatment is an effective and safe method in the treatment of aphthous ulcers.⁵¹⁹

It is clear from this brief review of some of the available science, that the use of homeopathy is associated with significant benefit in the field of dentistry. At the same time it is remarkable that many investigators also noted that

homeopathic treatment contributes toward improvements in overall global health. The use of homeopathy holds promise since it is safe, inexpensive and easily applied. Much more research is needed in this field.

About the Author

Richard Fischer, DDS is a graduate of Georgetown University School of Dentistry where he subsequently served as Clinical Instructor in the Department of Dental Materials. He is currently on the faculty of The American College of Integrative Medicine and Dentistry and has been in private practice in Annandale, Virginia since 1976. He is Board Certified by the American Naturopathic Medical Board, The National Board of Homeopathy in Dentistry, and was one of only two dentists in Virginia ever to be Board Certified by the American Board of Dental Sleep Medicine.

⁵¹⁷ Mourao LC, Moutinho HM, Canabarro A. Role of homeopathy in post-surgical dental implants paresthesia — a case report, J Case Studies Homeopathy 2013;1(1):6-10.

⁵¹⁸ Haila S, Koskinen A, Tenovu J. Effects of homeopathic treatment on salivary flow rate and subjective symptoms in patients with oral dryness: a randomized trial. Homeopathy 2005; 94(3): 175-181. <https://www.ncbi.nlm.nih.gov/pubmed/16060203>

⁵¹⁹ Mousavi F, Mojaver YN, Asadzadeh M, et al. Homeopathic treatment of minor aphthous ulcer: a randomized, placebo-controlled clinical trial. Homeopathy 2009; 98(3): 137-41. <https://www.ncbi.nlm.nih.gov/pubmed/19647206>



Homeopathy, *Chronic Illness, and* Rheumatology

Ron Whitmont, MD

Homeopathy is a 200 year-old medical subspecialty that has gained significant popularity worldwide, especially in integrative health practices. It is currently utilized by more than 500 million people and over 100,000 physicians and health care providers on nearly every continent on earth. Homeopathy is a method of treatment that was developed and defined based on empirically gathered data and evidence refined through meticulous observation and repeated experimentation. Homeopathy has repeatedly foreshadowed many of the discoveries made in conventional medicine, including the phenomena of homeostasis, the immune system and the microbiome. Many homeopathic principles have been substantiated by contemporary research.⁵²⁰

Homeopathy represents an important medical health care system that offers significant advantages in terms of safety and efficacy. Even as modern research is converging on plausible explanations for how it works,⁵²¹ a growing body of

evidence suggests that there are many applications in primary care medicine for widespread disease conditions.

Homeopathy has been frequently compared with and tested against conventional methodologies in the management of a broad range of disease conditions. Many meta-analyses of randomized controlled clinical trials indicate that homeopathy is not only more effective than placebo,⁵²² but at least as effective as standard conventional treatments.⁵²³ Meta analyses of in vitro experiments demonstrate that homeopathic medicines are bioactive at extremely high potencies (high dilutions).⁵²⁴

Clinical research in chronic illness and rheumatology demonstrates that homeopathy has an important role to play

⁵²⁰ Adler UC. Low-grade inflammation in chronic diseases: An integrative pathophysiology anticipated by homeopathy? *Medical Hypoth* 2011;76(5):622-626.

⁵²¹ Yun AJ, Lee PY, Bazar KA. Paradoxical strategy for treating chronic diseases where the therapeutic effect is derived from compensatory response rather than drug effect. *Med Hypotheses* 2005;64(5):1050-9.

⁵²² Witt C, Keil T, Selim D, et al. Outcome and costs of homoeopathic and conventional treatment strategies: a comparative cohort study in patients with chronic disorders. *Complement Ther Med* 2005;13(2):79-86.

⁵²³ 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.

⁵²⁴ 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;15:128-138.

as a form of primary care medicine in the treatment of many different conditions.⁵²⁵ Homeopathy is an effective modality in the treatment of acute and chronic inflammatory conditions and some studies demonstrate that it could be used as a first line intervention.

Comparative Effectiveness

In an international multicenter, prospective, observational study, 30 investigators at 6 clinical sites in 4 countries enrolled 500 consecutive patients with upper respiratory tract infections, lower respiratory tract infections, allergies and ear infections comparing the effectiveness of homeopathy with conventional medicine. Response to treatment in patients receiving homeopathy was 82%, (compared to 68% for conventional medicine). Improvement in less than 1 day and in 1 to 3 days was 67% in the homeopathic group (compared with 56% in the conventional group). Adverse events for those treated with homeopathy was 7% (compared with 22% in the conventionally treated group). Seventy-nine percent (79%) of those treated with homeopathy were "very satisfied" compared with 65% of those treated conventionally. In both treatment groups 60% of cases had consultations lasting between 5 and 15 minutes. The authors concluded that homeopathy is "at least as effective as conventional medical care" in the treatment of these conditions.⁵²⁶

Chronic Illness

In a 6 year observational study of 6544 consecutive follow-up patients with chronic illnesses treated with homeopathy in a hospital outpatient unit, 70% reported positive health changes, while more than 50% reported improvement as "better" or "much better." The authors concluded that homeopathic intervention is associated with positive health changes in a substantial proportion of patients with a wide range of chronic illnesses.⁵²⁷

In a multicenter observational study of 628 patients with x-ray-confirmed tonic sinusitis over a 6-month period, there were statistically significant clinical and radiologic improvements after 3 and 6 months of homeopathic treatment. No complications were observed during treatment.

⁵²⁵ Koithan M, Embrey M, Bell IR. Qualitative evaluation of successful homeopathic treatment of individuals with chronic diseases: descriptive phenomenology of patients' experiences *J Med Pers* 2015;13:23-35. DOI 10.1007/s12682-014-0185-2

⁵²⁶ Riley D, Fischer M, Singh B, et al. Homeopathy and conventional medicine: an outcomes study comparing effectiveness in a primary care setting. *J Altern Complement Med* 2001; 7(2):149-59.

⁵²⁷ Spence DS, Thompson EA, Barron SJ. Homeopathic Treatment for Chronic Disease: A 6-Year, University-Hospital Outpatient Observational Study. *J Alternat Complemen Med* 2005;11(5). doi.org/10.1089/acm.2005.11.793

The authors concluded that homeopathic treatment may be effective for the treatment of tonic sinusitis.⁵²⁸

In an observational study, 134 adults with tonic sinusitis who had been previously treated with conventional medicine were tracked over 8 years following homeopathic intervention. The results demonstrated that relevant improvements were strong and persistent.⁵²⁹

In a prospective, multicenter cohort study of 103 homeopathic primary care practices in Germany and Switzerland, data from a total of 3,709 patients with chronic illnesses were studied. The most frequent diagnoses were allergic rhinitis and headache in adults, and atopic dermatitis and multiple recurrent infections in children. Disease severity decreased significantly, ($p < 0.001$) between baseline, 2 and 8 years. Physical and mental quality of life scores also increased considerably. Younger age, female gender and more severe disease at baseline were factors predictive of better therapeutic success.⁵³⁰

Individuals with incurable chronic skin diseases frequently choose to use complementary and alternative medicines (CAM) including homeopathy. The effects of individualized homeopathic treatment on 60 patients with chronic skin disease, including atopic dermatitis, eczema, severe acne, chronic urticaria, psoriasis vulgaris and alopecia universalis was evaluated for a period of 3 months to 2 years 7 months. Eighty-eight percent (88%) reported improvement (6 patients had complete resolution, 23 had major improvement, 24 were 50% improved, and 7 were 25% improved). Half reported greater satisfaction in daily life, greater fulfillment at work and greater satisfaction in human relations. The authors concluded that individualized homeopathic treatment can provoke a good response in patients with chronic skin disease.⁵³¹

Rheumatoid Arthritis

Several authors have suggested that homeopathic consultations, which usually last longer than consultations with conventional physicians, might provide significant

⁵²⁸ Nayak C, Singh V, Singh VP, et al. Homeopathy in chronic sinusitis: a prospective multi-centric observational study. *Homeopathy* 2012;101(2):84-91. doi: 10.1016/j.homp.2012.02.002.

⁵²⁹ Witt C, Ludtke R, Willich SN. Homeopathic treatment of patients with chronic sinusitis: A prospective observational study with 8 years follow-up. *BMC Ear Nose Throat Disord* 2009; 9:7. https://doi.org/10.1186/1472-6815-9-7

⁵³⁰ Witt CM, Ludtke R, Mengler N, et al. How healthy are chronically ill patients after eight years of homeopathic treatment? – Results from a long term observational study. *BMC Public Health* 2008;8:413. https://doi.org/10.1186/1471-2458-8-413

⁵³¹ Itamura R. Effect of homeopathic treatment of 60 Japanese patients with chronic skin disease. *Complemen Ther Med* 2007;15(2): 115-120.

benefit in the disease management process. After being interviewed, patients suffering from rheumatoid arthritis noted that homeopathic consultations helped them "cope better," and thereby improve their physical health, wellbeing and/or illness management.⁵³²

A placebo-controlled trial consisting of 46 patients with rheumatoid arthritis utilizing conventional anti-inflammatory treatment demonstrated that homeopathy provided significant improvement in subjective pain, articular index, stiffness and grip strength when compared to patients receiving placebo. No side effects were observed with the homeopathic treatment.⁵³³

A pilot study testing the hypothesis that high dilution of substances can have an opposite effect (i.e., the Law of Similars), used a homeopathic preparation of Tumor Necrosis Factor alpha (TNF-alpha) to treat 10 patients with psoriasis and rheumatoid arthritis. After three months of treatment, the total surface area and thickness of psoriatic plaques as well as pain intensity and stiffness (in rheumatoid arthritis patients) improved in every subject. In addition, 33% experienced complete resolution of their symptoms. No adverse reactions were reported. The authors concluded that even though the sample size was small, and not appropriate for statistical analysis, the observation of a 100% clinical response rate, with the absence of any adverse reactions, suggests that further research should be completed.⁵³⁴

The anti-rheumatic and antioxidant effects of homeopathic preparations on male albino rats with experimentally induced rheumatoid arthritis were tested in a protocol of six experimental groups receiving either placebo, conventional treatment or different potencies of homeopathic medicine. Anti-rheumatic activity was evaluated via physical, urinary, and serum parameters. Results indicated that body weight, ankle and knee diameter, urinary and serum parameters (including interleukins) were all significantly affected with homeopathy. Treatment was associated with normalization of these parameters compared with the control group. The authors concluded that homeopathic treatment affects anti-rheumatic and antioxidant activity in experimental animals and that these activities are significantly stronger

when higher (more dilute) potencies of homeopathic medicines are utilized.⁵³⁵

Another study examined the anti-inflammatory effects of homeopathic medicines to counteract Complete Freund's Adjuvant (CFA) induced arthritis in rats. The study determined that homeopathy protected rats from CFA-induced inflammatory lesions, body weight changes, hematological alterations and radiological joint alterations due to arthritis. Arthritic pain scores were also favorably affected. The authors concluded that homeopathy in ultra-dilutions is effective in the treatment of chemically induced arthritis and associated pain in rats.)⁵³⁶

Osteoarthritis

Osteoarthritis is a common rheumatic condition with limited safe and effective conventional treatment options. The clinical evidence for and against the effectiveness of homeopathy in this condition was evaluated in a systematic review of randomized controlled clinical trials. The authors concluded that the clinical evidence was promising and favored the use of homeopathy in osteoarthritis, but suggested that more research is warranted.⁵³⁷

In a study of 81 patients with osteoarthritis compared with controls, homeopathy was found to reduce oxidative stress as determined by changes in serum parameters that were measured before and after treatment. Investigators determined that homeopathic treatment does reduce oxidative stress and can be measured by changes in erythrocyte lipid peroxidation, susceptibility to peroxidation, superoxide dismutase, and plasma vitamin C levels.⁵³⁸

A pragmatic, randomized, double-blind controlled trial compared a homeopathic topical gel with conventional topical NSAID therapy in 184 patients with radiographically-confirmed symptomatic osteoarthritis of the knee. After four weeks of treatment, the main outcome measures of pain on walking visual analogue scores (VAS) and a single-joint Ritchie index were evaluated. Pain reduction was more than twice as great in the homeopathic group

⁵³² Brien SB, Leydon GM, Lewith G. Homeopathy enables rheumatoid arthritis patients to cope with their chronic ill health: A qualitative study of patients' perceptions of the homeopathic consultation. *Patient Ed Counsel* 2012;89(3):507-516.

⁵³³ Gibson RG, Gibson SL, MacNeill AD, et al. Homeopathic therapy in rheumatoid arthritis: evaluation by double-blind clinical therapeutic trial. *Br J Clin Pharm* 1980; 9(5): 453-459.

⁵³⁴ Alecu A, Gafitanu D, Alecu M, et al. Homeopathic dilutions of TNF-alfa in psoriasis and rheumatoid arthritis. *Int J High Dilution Res* 2012; 11(40): 204-205.

⁵³⁵ Sarkar A, Datta P, Das AK, et al. Anti-rheumatoid and anti-oxidant activity of homeopathic *Guaiacum officinale* in an animal model. *Homeopathy* 2014; 103(2):133-8. doi: 10.1016/j.homp.2013.08.006.

⁵³⁶ Patil CR, Rambhade AD, Jadhav RB, et al. Modulation of arthritis in rats by *Toxicodendron pubescens* and its homeopathic dilutions. *Homeopathy* 2011;100(3):131-137.

⁵³⁷ Long L, Ernst E. Homeopathic remedies for the treatment of osteoarthritis: a systematic review. *Br Horn J* 2001; 90(1): 3743.

⁵³⁸ Pinto S, Rao AV, Rao A. Lipid peroxidation, erythrocyte antioxidants and plasma antioxidants in osteoarthritis before and after homeopathic treatment. *Homeopathy* 2008; 97(04): 185-189. DOI: 10.1016/j.homp.2008.08.004

compared with the piroxicam group (16.5 VAS vs. 8.1, 95% CI). There was no significant difference between treatment groups in the single-joint Ritchie index ($P = 0.78$) and adverse events occurred in 28 patients (12 in the homeopathy group and 16 in the piroxicam group). The authors concluded that homeopathic gel was at least as effective, and as well tolerated, as the NSAID gel.⁵³⁹

A second randomized, double-blind study of 204 patients compared a topical homeopathic gel preparation with NSAID therapy for symptomatic relief of patients with radiologically-confirmed and symptomatically active osteoarthritis of interphalangeal joints of the hands over 21 days. Primary endpoints of pain intensity and hand function determined that the homeopathic treatment was equivalent to the conventional treatment groups in all indices of pain and in hand functional improvements, as well as in all secondary endpoints that were evaluated. Adverse events were reported by six patients (6%) treated conventionally and by five patients (4%) treated with homeopathy. The authors concluded that homeopathy is not inferior to conventional treatment of osteoarthritis of the hands.⁵⁴⁰ Similar results were seen in other studies.⁵⁴¹

A double-blind MB-approved protocol compared homeopathy with acetaminophen in the treatment of 65 patients with osteoarthritis. The results demonstrated that homeopathy was superior, but the results were not statistically significant. The authors concluded that homeopathic treatment is safe and "at least as effective" as acetaminophen, without the potential adverse effects.⁵⁴²

Fibromyalgia and Chronic Fatigue

There is currently no universally effective conventional management regime for chronic fatigue syndrome or fibromyalgia and patients frequently use complementary and alternative medicine (CAM) modalities including homeopathy. A six-month random,

triple-blind placebo-controlled study evaluated the use of homeopathy in 103 patients meeting the Oxford criteria for CFS. Outcome measures used the Multidimensional Fatigue Inventory (MFI), the Fatigue Impact Scale (FIS) and the Functional Limitations Profile (FLP). More patients treated with homeopathy demonstrated significant improvement on 2 out of 3 inventory scales and showed clinical improvement on all primary outcomes (relative risk=2.75, $P=.09$).⁵⁴³

In a double-blind, randomized, parallel-group, placebo-controlled trial of homeopathy to assess the efficacy of individualized homeopathy in the treatment of physician-confirmed fibromyalgia, 62 patients were randomized to receive either a homeopathic medicine or an indistinguishable placebo. Evaluation at baseline, two and four months evaluated tender point count and tender point pain by a medical assessor uninvolved in providing care. Self-rating scales relating to quality of life, pain, mood and global health at baseline and three months, were the primary clinical outcome measures. Results demonstrated significantly greater improvements in all indices including tender point count and tender point pain, quality of life, global health and a trend toward less depression compared with those on placebo. The authors concluded that individualized homeopathy is significantly better than placebo in lessening tender point pain and improving the quality of life and global health of persons with fibromyalgia.⁵⁴⁴

Studies reveal that homeopathy has tremendous potential in the treatment of chronic inflammation, and rheumatologic illnesses in particular. Homeopathic medicines have a strong safety profile, and either match, or are superior in efficacy to standard conventional medical regimens. It is arguable that homeopathic methods might provide distinct advantages if they are utilized as primary methodologies in the treatment of these conditions. Evidence suggests that withholding some of the more hazardous (and expensive) conventional treatments until homeopathic interventions are used first, might improve clinical outcomes, lower costs and provide greater safety to the American public. Research priority needs to be directed towards homeopathy, particularly with respect to chronic inflammatory illness and rheumatology.

⁵³⁹ Van Haselen RA, Fisher PA. A randomized controlled trial comparing topical piroxicam gel with a homeopathic gel in osteoarthritis of the knee. *Rheum (Oxford)* 2000;39(7):714-9.

⁵⁴⁰ Widrig R, Suter A, Saller R, et al. Choosing between NSAID and arnica for topical treatment of hand osteoarthritis in a randomised, double-blind study. *Rheumatol Int* 2007;27(6):585-91. Epub 2007 Feb 22.

⁵⁴¹ Kneusel o, Weber M, Suter A. Arnica montana gel in osteoarthritis of the knee: an open, multicenter clinical trial. *Adv Ther* 2002;19(5):209-18.

⁵⁴² Shealy CN, Thomlinson RP, Cox RH, et al. Osteoarthritic Pain: A Comparison of Homeopathy and Acetaminophen. *Am J Pain Manag* 1998;8(3):89-91. https://www.researchgate.net/publication/308144343_Osteoarthritic_Pain_A_Comparison_of_Homeopathy_and_Acetaminophen accessed online 4/26/19.

⁵⁴³ Weatherley-Jones E, Nicholl JP, Thomas KJ, et al. A randomised, controlled triple-blind trial of the efficacy of homeopathic treatment for chronic fatigue syndrome. *J Psychosom Res* 2004; 56(2):189- 97.

⁵⁴⁴ Bell a, Lewis DA, Brooks AJ, et al. Improved clinical status in fibromyalgia patients treated with individualized homeopathic remedies versus placebo. *Rheum (Oxford)* 2004; 43(5):577-82. Epub 2004 Jan 20.

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Homeopathy *and* Dermatology

Ronald D. Whitmont, MD

Homeopathic medicine is a form of natural healing that supports the body's own innate healing mechanisms. Homeopathic medicine treats the whole person, including dermatological issues, as scientific research confirms. There have been a number of good clinical dermatological research studies published in recent years which support the successful treatment and prevention of skin diseases with homeopathic medicine.⁵⁴⁵⁻⁵⁴⁶⁻⁵⁴⁷⁻⁵⁴⁸ Evidence suggests that homeopathy is an effective modality for the treatment of a wide diversity of dermatologic conditions including hyperhidrosis, contact dermatitis, vitiligo, eczema and atopic dermatitis, psoriasis and pruritus. Relevant human and animal studies are reviewed.

Hyperhidrosis A small office-based prospective case series addressed hyperhidrosis (excessive sweating) in 9 patients

individually treated with classical homeopathic medicine. All the patients in this study had hyperhidrosis for at least 1 year and as long as 23 years prior to receiving homeopathic treatment. Ages ranged from 17 years old to 71 years old. Five patients were male and four were female. Five of 9 patients (56%) had a positive family history of hyperhidrosis.⁵⁴⁹

This study showed that 6 out of 9 patients (67%) responded successfully to homeopathic treatment and achieved a meaningful improvement in their excessive sweating. Their hyperhidrosis generally began to improve within 3 to 4 weeks after beginning treatment. Additionally, all of the responders (100%) noticed improvement in other, seemingly unrelated medical issues, including anxiety, obsessive thoughts, premenstrual cramps, fatigue, eczema, & dietary fat intolerance.

Three of the study participants (33%) failed to achieve meaningful improvement in hyperhidrosis (2 of these

⁵⁴⁵ Bugdorf, W. H. and R. Happle. What every dermatologist should know about homeopathy. *Arch Derm* 1996;132(8): 955-958.

⁵⁴⁶ Darner AM. Immunologic Studies Support Homeopathic Medicine. *Arch Dermatol* 1997;133(2):244-245. doi:10.1001/archderm.1997.03890380118024

⁵⁴⁷ Clement RT. What every dermatologist should know about homeopathy, hormesis, and pharmacological inversion. *Arch Derm* 1997;133(2): 245.

⁵⁴⁸ Stibbe JR. Homeopathy in dermatology. *Clinic Derm* 1999;17(1):65-68

⁵⁴⁹ Signore RJ. Don't Sweat it! Homeopathic Medicine Helps Hyperhidrosis (Excessive Sweating). *Homeopathy Today* 2014;(Summer): 18-23

non-responders had very mild baseline symptoms), but all 3 "non-responders" still noticed improvement of other medical issues, including foot of constipation, and menstrual cramps. This small study demonstrates one of the benefits of classical homeopathic treatment: it addresses and helps the 'whole person,' not only the chief complaint. No adverse events were reported in this study. The homeopathic medicines were safe, well-tolerated, easy to administer, pleasant tasting, and had high patient acceptability.

Other case studies demonstrate the benefits of homeopathy in the treatment of conditions including epidermolysis bullosa.⁵⁵⁰



Contact Dermatitis

In a large clinical trial of 455 patients with allergies to poison ivy, the oral administration of a homeopathic medicine (made from poison oak) was used prophylactically to help prevent further cases of itchy poison ivy dermatitis. This "isopathic"⁵⁵¹ homeopathic medicine was administered weekly for six weeks prior to actual poison ivy exposure, and then three-times weekly for the remainder of the active season. The investigator found that 350 of the 455 patients (77%) were either completely free of poison ivy rashes or experienced only milder poison ivy reactions. Thirty nine percent (39%) of the subjects were employees of a tree pruning company, and

⁵⁵⁰ Tuij G, Waisse S, Sos AB, et al. Epidermolysis bullosa: report of three cases treated with homeopathy. *Homeopathy* 2011; 100(4):264-269

⁵⁵¹ The term homeopathic specifically designates those products that are prescribed on the basis of their ability to produce a similar (not the same) state in a healthy subject, and are typically prescribed either as treatment or prophylaxis. The term isopathic designates those products that utilize substances identical to the actual causative agent, and are frequently prescribed prophylactically.

were known to be regularly exposed to poison ivy throughout the summer.⁵⁵²

Several of the subjects in this study were patch-tested, which confirmed the presence of allergy to poison ivy before entry into the study. As predicted, the patients' patch-tests, after homeopathic treatment, converted to negative, indicating that the homeopathic medicine was associated with a change in allergic reactions. Patch tested patients were known to have been exposed to poison ivy throughout the active season in activities such as camping and scouting, yet they remained free of poison ivy dermatitis, which they had previously experienced. Only 2 of the 455 patients (0.4%) had adverse effects, which included mild "nausea and GI discomfort". Overall, the homeopathic medicine was safe and well-tolerated.

Vitiligo

An open observational pilot study using homeopathy in the treatment of vitiligo, an autoimmune skin disease characterized by white spots with complete lack of pigment cells, evaluated 27 subjects over 6 months. Efficacy was measured using a vitiligo area scoring index (VAST) score, vitiligo European Task Force (VETF) score, and dermatological life quality index (DLQI) score. Investigators found that individualized homeopathic treatment was associated with significant improvement measured by the VASI, VETF, and DLQI scores. This pilot study is important because it suggests that homeopathic medicine is helpful for vitiligo, while conventional medical treatment of this condition is often difficult, expensive, frustrating, and time-consuming, taking years to achieve results. Homeopathy is a safe and inexpensive treatment which would be a welcome addition to many modern dermatology practices.⁵⁵³

A prospective case series of 200 subjects with focal, segmental and generalized vitiligo treated with single homeopathic medicines demonstrated a 95% improvement rate. A unique feature of this study was that the researchers performed pre-treatment & post-treatment skin biopsies which were stained using H & E and Mason Fontana stains to compare for the presence of melanocytes & melanin pigment. The researchers found that 190 out of 200 patients (95%) showed improvement in their vitiligo. Seventy percent (70%) showed complete re-pigmentation of vitiligo plaques following

⁵⁵² Gross ER. An Oral Antigen Preparation in the Prevention of Poison Ivy Dermatitis. *Industr Med Surg* 1958; 27: 142-144.

⁵⁵³ Ganguly S, Saha S, Koley M, et al. Homeopathic treatment of vitiligo: an open observational pilot study. *Int J High Dilution Res* 2013;12(45):168-177.

homeopathic treatment. Patients found the homeopathic treatment to be simple, inexpensive, and easy to take. There were no adverse effects reported.⁵⁵⁴

A multicenter observational study of 169 patients with vitiligo completed 2 years of homeopathic treatment, and utilized the classical repertorization process.⁵⁵⁵ Study results utilized the Vitiligo Symptom Score (VSS) and photographs of the patients. Results were analyzed using the statistical method SPSS version 20. The changes in the mean VSS at intervals of every 6 months were found to be statistically significant. Homeopathic treatment was useful in relieving vitiligo to varying degrees in 75% of patients. Three percent (3%) demonstrated marked improvement, 11% moderately improved, 56% mildly improved, and the remaining 24% improved, though not significantly. There were no adverse events noticed during the study. The investigators affirmed the strength of an individualized approach to homeopathy, which utilizes the totality of symptoms in the medicine selection process.⁵⁵⁶

Eczema

There have been multiple clinical studies published studying the effect of homeopathy in the treatment of eczema. In one, investigators studied 40 children with atopic dermatitis as part of an observational longitudinal study with an average follow-up period of 8 years. The Glasgow Homeopathic Hospital Outcome Score was used to evaluate the results that were classified on the basis of a Likert scale. The patients had begun homeopathic treatment of atopic dermatitis before the age of 5. Seventy percent (70%) had complete resolution of their atopic dermatitis. This research suggests that homeopathy provides a positive therapeutic benefit in atopic children. Furthermore, the subjects treated in this study showed a reduced tendency to maintain atopic dermatitis and a lower risk of developing asthma and allergic rhinitis in adulthood.⁵⁵⁷

Another study evaluated 26 atopic dermatitis patients in a prospective observational study using homeopathy. Investigators evaluated the severity of eczema by Rajka and

Langeland's score and a set of 4 Visual Analogue Scales evaluating eczema severity, itch, general and psychological well-being and quality of sleep. They found that homeopathically treated eczema patients demonstrated significant improvement, both clinically and statistically. The researchers concluded that homeopathic medicine could be regarded as a safe and effective choice for patients with atopic dermatitis.⁵⁵⁸

Another study from the Institute for Social Medicine, Epidemiology, and Health Economics in Berlin, Germany evaluated 118 children with atopic eczema. Fifty-four children were treated with homeopathic medicine and 64 with conventional dermatology drugs. Both groups were followed for a period of 12 months. Children in both groups noticed improvement in eczema symptoms and disease-related quality of life, however, eczema improvement (as observed by physicians) was significantly greater in the homeopathic group.⁵⁵⁹

An observational study of 225 children with atopic eczema treated with homeopathic medicine alongside conventional dermatology drugs over 24 months demonstrated that the severity of eczema improved. Reductions in the use of conventional dermatology drugs were also observed.⁵⁶⁰

In a case series of 6 patients with atopic eczema and irritant contact dermatitis, homeopathic treatment was helpful. Investigators found that irritant contact dermatitis responds more quickly to homeopathic remedies than atopic eczema. Two of the 6 patients also experienced improvement in other seemingly unrelated medical conditions, including constipation, asthma, joint pain, and emotional issues including anxiety and guilt. Finally, homeopathic treatment of eczema was found to be helpful in reducing the use of topical steroids.⁵⁶¹

Atopic Dermatitis

Seventeen patients with intractable atopic dermatitis, who had previously failed conventional dermatological drug therapy, were treated with individualized homeopathic

⁵⁵⁴ Swami S, Dasgupta. S, Basu S, et al. Significant remission of vitiligo by ultra diluted alternative medicines. *Asian J Pharmaceut Clin Res* 2012;5(2):33-35.

⁵⁵⁵ The term repertorization refers to the process of cross-referencing the symptoms of a patient with the symptoms produced by homeopathic medicines in a drug-proving.

⁵⁵⁶ Chakraborty PS, Kaushik S, Debata L, et al. A multicentric observational study to evaluate the role of homeopathic therapy in vitiligo. *Indian J. Res Homeop* 2015;9(3):167-175.

⁵⁵⁷ Rossi E, Bartoli P, Bianchi A, et al. Homeopathy in paediatric atopic diseases: long-term results in children with atopic dermatitis. *Homeopathy* 2012;101(1):13-20

⁵⁵⁸ Eizayaga, J.E., Eizayaga, J.I. Prospective observational study of 42 patients with atopic eczema treated with homeopathic medicines. *Homeopathy* 2012;101(1): 21- 27.

⁵⁵⁹ Keil T, Witt CM, Roll S, et al. Homeopathic versus conventional treatment of children with eczema: A comparative cohort study. *Complement Ther Med* 2008;16(1):15-21.

⁵⁶⁰ Witt CM, Rainer L, Willich SN. Homeopathic treatment of children with atopic eczema: a prospective observational study with two years follow up. *Acta Derm Venereol* 2009;89(2):182-3. doi: 10.2340/00015555-0580.

⁵⁶¹ Signore, R. Classic Homeopathic Medicine and the Treatment of Eczema. *Cosmet Dermatol* 2011; 24(9): 420-425.

medical therapy in addition to conventional dermatology therapy over 6 to 31 months. The efficacy of homeopathic medicine was measured by objective assessments of the skin condition and the patients' own assessments, using a 9-point scale. One patient's dermatitis cleared completely, 7 cleared by 80% improvement, and 9 showed 50% improvement. Importantly, 29% improved so well that they were able to discontinue use of topical steroid ointments.⁵⁶²

In an uncontrolled trial 60 people with common skin disorders, including atopic dermatitis, eczema, acne, urticaria, psoriasis and alopecia universalis were enrolled in a study of individualized homeopathic treatment over a period of 3 months to 31 months. Subjects were permitted to use conventional dermatological treatments while taking part in the trial. Using the trial participants' own subjective analysis, improvement was assessed using a nine-point scale similar to the Glasgow Homeopathic Hospital Outcome Scale. On this basis, 10% reported a complete recovery, 38% reported a 75% improvement, 40% noted 50% improvement and 12% noted 25% improvement. In all, 88% of patients reported more than 50% improvement.⁵⁶³

A study of 31 people suffering from either atopic skin and respiratory symptoms, or atopic skin symptoms alone, were treated with individualized homeopathic therapy over a period of 5 years. During a 6-month assessment period following this treatment, the authors determined that 41% of the group with skin and respiratory symptoms achieved at least a 76% improvement in symptoms, while 58% of those in the atopic skin group achieved the same outcome.⁵⁶⁴ Interestingly, other investigators have noted that individuals suffering from multiple medical conditions tend to fare better from individualized homeopathic treatment, perhaps because the addition of symptoms from more than one organ system enables more accurate prescriptions.^{565, 566}

Other Dermatologic Conditions

In a prospective multicenter observational study of 397 patients with acute furunculosis, researchers used a

furunculosis symptom score (FSS) system to assess patient outcomes after homeopathic treatment. They found that treating patients with furuncles using homeopathic medicines (rather than conventional antibiotics) resulted in a statistically significant improvement in the FSS from baseline and end of treatment in favor of homeopathic medicine. This study reflects the potential usefulness of homeopathic medicine in the treatment of acute bacterial furunculosis. This study is important because it suggests the potential of homeopathic medicine as a useful therapy, particularly in the current era of increasing bacterial resistance to conventional antibiotics.⁵⁶⁷

In a randomized, single-blind, placebo-controlled trial, 100 patients with minor aphthous ulcers were treated with either individualized homeopathic medicines or placebo. Patients received 2 doses, 12 hours apart, and were followed for up to 6 days. Pain intensity and ulcer size were recorded at the start, on day 4, and on day 6. Pain intensity and ulcer size were significantly improved in the homeopathically treated patients compared to placebo group ($p < 0.05$). No adverse effects were reported. The researchers concluded that homeopathic medicine is a safe and effective treatment for minor aphthous ulcers. This is an important study, because no consistently effective conventional therapy is available for this condition, which is frequently painful and troublesome.⁵⁶⁸

An outcome study to assess the effectiveness of individualized homeopathic treatment in dermatological complaints in a public outpatient clinic included 49 subjects. Outcomes were positive in 59% neutral in 4%, and 37% dropped out. Investigators concluded that individualized homeopathic treatment is effective in dermatological complaints.⁵⁶⁹

A two-part double blind, placebo-controlled trial to evaluate the efficacy of homeopathy for warts and Molluscum contagiosum involved a total of 147 subjects and demonstrated that individually chosen homeopathic medicines were superior to placebo for these conditions.⁵⁷⁰

A 10-week placebo-controlled, randomly-selected, double-blind study with crossover included 29 patients with seborrheic dermatitis. The study demonstrated significant

⁵⁶² Itamura R, Hosoya R. Homeopathic Treatment of Japanese patients with intractable Atopic Dermatitis. *Homeopathy* 2003; 92:108-114.

⁵⁶³ Itamura R. Effect of homeopathic treatment of 60 Japanese patients with chronic skin disease. *Complement Ther Med*. 2007;15(2):115-20.

⁵⁶⁴ Mohan GR, Anandhi KS. Efficacy of homeopathic drugs in dermatitis of atopic diathesis. *Homeopathic Links* 2003;16(4):257-260.

⁵⁶⁵ Gibson ERG, Gibson SL, MacNeill AD, Buchanan WW. Homeopathic therapy in rheumatoid arthritis: evaluation by double-blind clinical therapeutic trial. *Br J Clin Pharmacol* 1980;9:453-9.

⁵⁶⁶ Witt CM, Ludtke R, Mengler M, et al. How Healthy are Chronically Ill Patients After Eight Years of Homeopathic Treatment?—Results From a Long Term Observational Study. *BMC Public Health* 2008;8:413. doi: 10.1186/1471-2458-8-413

⁵⁶⁷ Nayak C, Singh V, Singh K, et al. A Prospective Multicentre Observational Study to Evaluate the Usefulness of the Nine Predefined Homeopathic Medicines in Furunculosis. *Homeopathic Links* 2010; 23(1):60-63.

⁵⁶⁸ Mousavi F, Mojaver YN, Asadzadeh M, et al. Homeopathic treatment of minor aphthous ulcer: a randomized placebo-controlled clinical trial. *Homeopathy* 2009;98:137-141.

⁵⁶⁹ Waisse-Priven S, Jtut G, Lima LC, et al. Individualized homeopathic treatment of dermatological complaints in a public outpatient clinic. *Homeopathy* 2009;98(3):149-153.

⁵⁷⁰ Manchanda RK, Mehan N, Bahl N, et al. Double Blind Placebo Controlled Clinical Trials of Homeopathic Medicines in Warts and Molluscum contagiosum. *CCRH Quarterly Bulletin* 1997; 19: 25-29.

improvement with homeopathic treatment over placebo (p<0.04).⁵⁷¹

A single homeopathic medicine was studied in relation to the treatment of oral lichen planus, an often painful inflammatory dermatological condition. In this single-blind randomized placebo-controlled, clinical trial, 30 consecutive patients with oral lichen planus were treated for over 4 months. The investigators showed that the size of the oral sores decreased significantly in the homeopathic treatment group and that the average pain score was significantly reduced compared with the placebo group. The researchers concluded that homeopathic medicine has a beneficial effect in the treatment of oral lichen planus in selected patients.⁵⁷²

Psoriasis and Pruritus

A prospective multicenter observational study evaluated 82 patients with psoriasis who were treated with homeopathy over 2-years. These subjects were allowed to use conventional drugs simultaneously, if they chose. The researchers found that the severity of psoriasis improved and patients were able to reduce the amounts of conventional drugs that they used. The severity of several comorbid diseases also improved along with quality of life scores. The utilization of all health services decreased markedly in the homeopathic treatment group.⁵⁷³

In a randomized, placebo-controlled double-blind trial, researchers studied the effects of homeopathic treatment on pruritus in 20 hemodialysis patients. Kidney failure patients undergoing dialysis treatment frequently complain of severe itching, which is difficult to control with conventional methods. Itching was evaluated using a previously published scale. Patients were classified as responders if they had greater than 50% reduction of itching. The researchers assessed the role of individualized homeopathic treatment in this situation and found that it produced statistically significant reductions in itching at every point of observation.⁵⁷⁴

In a phase III single-blind randomized comparison trial researchers compared a homeopathic ointment versus a

topical analgesic (trolamine) ointment in the prophylaxis of acute radiation induced dermatitis in 254 women undergoing post-operative radiation treatment for breast cancer. The researchers found that the risk of acute radiation dermatitis (grade 2 or higher) was significantly lower in the homeopathically treated group³¹. Other researchers have noted similar findings.⁵⁷⁵

Animal Studies

An in vivo animal study evaluated a homeopathic medicine for its prophylactic effect against experimentally-induced inflammation. Researchers found that homeopathic medicine was significantly more effective in inhibiting rat paw edema caused by carrageenan than placebo controls (P<0.05). The researchers used a well-known experimental model involving prostaglandins and other inflammatory mediators. In this experiment, homeopathic medicine had effects similar to indomethacin, a powerful prescription nonsteroidal anti-inflammatory drug (NSAID). This study is very important because it shows that homeopathic treatment has significant anti-inflammatory effects, which might be one reason why it is often helpful in the treatment of herpes zoster (shingles), arthritis, and other inflammatory skin eruptions.⁵⁷⁶

A dual-phase single-blind placebo-controlled study of homeopathy in the treatment of atopic dermatitis in dogs reported significant reductions in the pruritus score of dogs receiving homeopathic treatment compared with placebo. Dog owners correctly distinguished between the placebo and homeopathic remedies based on symptom reduction.⁵⁷⁷

Veterinarians have found homeopathic medicine to be extremely beneficial in the treatment of a number of different dermatologic conditions in both small and large animals.⁵⁷⁸

Using an in vivo animal model researchers evaluated a homeopathic medicine in the treatment of heat-induced itching in laboratory rats. The researchers found that in this blinded study, the homeopathic medicine demonstrated significant improvement in itching without adverse effects. It is possible that homeopathy could be helpful in humans with

⁵⁷¹ Smith SA, Baker SE, Williams TH. Effective treatment of seborrheic dermatitis using a low dose, oral homeopathic medication consisting of potassium bromide, sodium bromide, nickel sulfate, and sodium chloride in a double-blind, placebo-controlled study. *Altern Med Rev.* 2002;7(1):59-67.

⁵⁷² Mousavi F, Sherafati S et al. Immtia in the treatment of oral lichen planus. *Homeopathy* 2009; 98(1):40-44.

⁵⁷³ Will CM, Ludtke R, Willich SN. "Homeopathic treatment of patients with psoriasis--a prospective observational study with 2 years follow-up." *J Europ Acad Dermatol Venereol* 2009; 23(5): 538-543.

⁵⁷⁴ Cavalcanti AM, Rocha LM, Carillo R, et al. Effects of homeopathic treatment on pruritus of haemodialysis patients: a randomised placebo-controlled double-blind trial. *Homeopathy* 2003;92(4):177-81.

⁵⁷⁵ Balzarini A, Felisi E, Martini A, De Conno F. Efficacy of homeopathic treatment of skin reactions during radiotherapy for breast cancer: a randomized, double-blind clinical trial. *Br Homeopath J* 2000;89:8-12.

⁵⁷⁶ Dos Santos AL, Perazzo FF, Cardoso LG, et al. In vivo study of the anti-inflammatory effect of *Rhus toxicodendron*. *Homeopathy* 2007;96(2):95-101.

⁵⁷⁷ Hill PB, Hoare J, Lau-Gillard P, et al. Pilot study of the effect of individualised homeopathy on the pruritus associated with atopic dermatitis in dogs. *Vet Rec.* 2009;164(12):364-70.

⁵⁷⁸ Cipollone B. Veterinary dermatology and homeopathy, *Europ J Integrative Med* 2012;4(1): 93.

similar conditions including itching without eruptions and itching of unknown origin.⁵⁷⁹

⁵⁷⁹ de Paula Coelho C, D'Almeida V, Pedrazzoli-Neto M, et al. Therapeutic and pathogenetic animal models for *Dolichos pruriens*. *Homeopathy* 2006;195(3):136-43.