

International Journal of Homoeopathic Sciences

E-ISSN: 2616-4493 P-ISSN: 2616-4485 Impact Factor (RJIF): 5.96 www.homoeopathicjournal.com IJHS 2025; 9(4): 1362-1364 Received: 21-09-2025 Accepted: 23-10-2025

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Exploring the homeopathic role in the management of Insomnia: A William Boericke "Materia medica and repertorial approach"

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DOI: https://www.doi.org/10.33545/26164485.2025.v9.i4.U.2087

Insomnia is a prevalent sleep disorder with significant cognitive, emotional, and physical consequences. Conventional treatments, including pharmacotherapy and behavioural interventions, may be associated with dependency, tolerance, and rebound insomnia. Homeopathy, with its individualized and holistic approach, offers a complementary therapeutic option. This review explores insomnia management through William Boericke's Materia Medica and Clinical Repertory. Key remedies, repertorial strategies, and recent clinical evidence (2023-2025) are discussed. While preliminary studies suggest improvement in sleep quality, systematic reviews highlight limitations in study design. Homeopathy may serve as a safe, patient-centered adjunct therapy, particularly for insomnia influenced by emotional or lifestyle factors.

Keywords: Insomnia, homeopathy, boericke materia medica, boericke repertory, sleep disorders, epidemiology, complementary medicine

Introduction

Insomnia -- defined as difficulty initiating or maintaining sleep, or experiencing nonrestorative sleep despite adequate opportunity — is one of the most prevalent sleep disorders worldwide, affecting individual well-being and societal productivity [1-3]. Globally, the estimated prevalence of clinically significant insomnia is approximately 16.2%, with about 7.9% experiencing severe insomnia [1]. Prevalence is higher in females and older adults, with chronic insomnia often persisting for several years [2, 3].

The public health burden is substantial. Insomnia is linked to impaired cognition, decreased work efficiency, increased risk of cardiovascular disease, diabetes, obesity, depression, and anxiety [1-3, 7]. Economically, insomnia contributes to increased healthcare utilization and absenteeism, with annual societal costs in developed countries estimated at billions of dollars

Conventional management includes pharmacological interventions (benzodiazepines, Zdrugs), cognitive behavioural therapy for insomnia (CBT-I), and sleep hygiene [2, 3]. Although effective, pharmacological treatments may cause dependence, tolerance, residual daytime sedation, cognitive impairment, and rebound insomnia [2, 3]. Non-pharmacologic interventions, while safer, require patient motivation, adherence, and trained professionals [2]. These limitations have led to increasing interest in complementary and holistic therapies, including homeopathy [4-6].

Epidemiology of Insomnia Global Prevalence

Recent systematic reviews and meta-analyses indicate that 12-16% of adults worldwide meet diagnostic criteria for insomnia disorder [1, 2]. Prevalence is higher in older populations and women. Among older adults (≥60 years), approximately 29% report insomnia, while in younger adults (18-40 years), prevalence ranges from 10-15% [3].

Self-reported insomnia symptoms are even higher, with 20-35% of adults experiencing occasional sleep disturbance (1). Insomnia is often underdiagnosed, and comorbid medical and psychiatric conditions may exacerbate prevalence estimates [1-3].

Regional Variations

Insomnia prevalence varies geographically: North America reports 15-25%, Europe 10-20%, Asia 8-18%, and Africa 5-12% [1, 2].

Corresponding Author: Dr. Gaytri Patel PGT, Department of Repertory, Pt. Jawaharlal Nehru State Homeopathic Medical College and Hospital, Kanpur, Uttar Pradesh, India Urban populations show higher rates due to stress, lifestyle, and increased exposure to light pollution ^[1]. Cultural attitudes toward sleep and healthcare access also influence reporting ^[2].

Demographic and Risk Factors

- **Gender:** Females are 1.5-2 times more likely to experience insomnia [3].
- **Age:** Risk increases with age; older adults report more difficulty maintaining sleep [3].
- Occupational Stress: Shift work, high-stress jobs, and irregular schedules increase insomnia risk [2].
- **Psychological Factors:** Anxiety, depression, grief, and chronic stress are major contributors ^[2, 3].
- **Lifestyle Factors:** Caffeine, nicotine, alcohol, screen exposure, and irregular sleep schedules exacerbate insomnia [2].

Economic and Societal Burden

Insomnia contributes to substantial healthcare costs due to frequent physician visits, pharmacotherapy, and associated comorbidities ^[7]. Indirect costs include reduced productivity, workplace errors, accidents, and absenteeism ^[7]. A US-based analysis estimated annual direct and indirect costs at over \$100 billion ^[7].

Pathophysiology of Insomnia

Insomnia arises from a combination of physiological, psychological, behavioural, and environmental factors:

- **Hyperarousal:** Central nervous system hyperactivation, increased sympathetic tone, elevated cortisol, and pre-sleep cognitive rumination ^[2, 3].
- Neurotransmitter and Hormonal Dysregulation: Imbalances in GABA, serotonin, and melatonin; circadian rhythm disruption [2].
- **Psychological Stress:** Anxiety, depression, grief, and stress-related hyperarousal exacerbate difficulty initiating and maintaining sleep [2, 3].
- **Behavioural Factors:** Irregular sleep schedules, caffeine intake, nicotine, alcohol, excessive screen exposure, and lack of physical activity ^[2].
- **Medical Comorbidities:** Chronic pain, cardiovascular disease, endocrine disorders, neurological diseases, and mental health disorders ^[2, 3].

Homoeopathically, insomnia is considered a manifestation of mental, emotional, and physical imbalance, rather than solely a neurological dysfunction. Treatment aims to restore holistic equilibrium, addressing underlying stressors, constitutional predisposition, and symptomatic expression [4-6].

Homeopathic Rationale and Repertorial Approach

Classical homeopathy addresses the underlying causes of insomnia by considering:

- **Causation:** Grief, emotional shock, overwork stimulant use, lifestyle stressors [4-6].
- **Modalities:** Aggravating/ameliorating factors such as noise, mental activity, heat/cold, time of day [4-6].
- Mental/emotional state: anxiety, irritability, sadness, fear [4-6].
- Concomitant symptoms: Palpitations, restlessness, vivid dreams, tension, headache, digestive issues, restlessness [4-6].

• **Constitutional traits:** Temperasment, behaviour and overall health [4-6].

Boericke's Pocket Manual of Homoeopathic Materia Medica and Clinical Repertory provide structured tools for remedy selection [8, 9]. The repertorial approach involves:

- 1. Patient Assessment sleep patterns, emotional state, lifestyle, comorbidities [8, 9].
- 2. Rubric Selection "Insomnia from mental excitement," "Sleeplessness after grief," "Waking frequently," "Dream-disturbed sleep," etc [8, 9].
- Remedy Grading / Prioritization Remedies appearing in multiple rubrics receive higher ranking [8., 9]
- 4. Materia Medica Verification Match the patient's totality of symptoms with remedy profile [8, 9].
- 5. Prescription Individualized remedy, potency, and dosing schedule [8, 9].
- 6. Follow-up Monitor sleep improvement, adjust remedy if needed [8, 9].

Key Homoeopathic Remedies for Insomnia

Remedy

Indication

Key Symptoms

Typical Modalities

Coffea cruda

Sleeplessness from mental excitement

Racing thoughts, hypersensitivity

Sleeplessness from joy, over-stimulation [8, 9].

Nux vomica

Insomnia from overwork/stimulants Irritability, digestive disturbances Waking 3-4 a.m., stress, late-night work

Belladonna

Sudden-onset insomnia Restlessness, vivid dreams, cerebral congestion Nighttime restlessness, heat sensation

Arsenicum album

Anxiety-related insomnia Fearfulness, waking after midnight Restlessness, worry, fear, anxiety about health.

Ignatia amara

Grief or emotional shock Emotional sensitivity, tension Sleeplessness after disappointment

Chamomilla

Irritability-related insomnia Restlessness, hypersensitivity Worse at night, emotional upset

Gelsemium

Anticipatory anxiety Nervous weakness, difficulty falling asleep, trembling.

Lycopodium

Chronic insomnia with digestive issues Waking early, bloating, irritability, anticipatory anxiety.

Repertorial Steps (Boericke Approach) Flowchart Description

1. Patient Assessment

Evaluate sleep patterns, emotional state, lifestyle, and physical symptoms

2. Select Rubrics in Boericke Repertory

- Insomnia from mental excitement
- Sleeplessness from grief, anger, overexertion
- Waking frequently, dream-disturbed sleep

3. Remedy Grading

• Prioritize remedies appearing in multiple rubrics

4. Materia Medica Verification

 Match totality of symptoms with remedy profile (Coffea cruda, Nux vomica, Belladonna, etc.)

5. Prescription

• Individualized remedy, potency, dosing schedule

6. Follow-up

• Monitor improvement and adjust remedy if needed Clinical Evidence (Including 2023-2025)

Systematic Reviews

Evidence remains limited and inconclusive due to small sample sizes and methodological issues [1, 2].

Recent Studies

- 2025 observational study (n=30): Individualized homeopathy targeting stress and lifestyle factors reduced insomnia severity [8].
- 2024 case report: Ignatia amara improved sleep quality in chronic insomnia using the Insomnia Severity Index (ISI) [9].
- 2024 case report: Lycopodium improved sleep quality via Pittsburgh Sleep Quality Index (PSQI) in long-term insomnia [10].
- 2023 meta-analysis: Evidence for homeopathy across conditions remains low certainty due to heterogeneity and methodological limitations [11].

Interpretation: Homeopathy shows potential to improve sleep in select patients, but robust, high-quality trials are still needed.

Discussion

Clinical Implications

Homeopathy provides a holistic, patient-centered approach, especially for insomnia influenced by emotional or lifestyle factors. Boericke's Materia Medica and Clinical Repertory facilitate individualized remedy selection. Structured consultations may reduce stress and improve sleep indirectly.

Limitations

- Small sample sizes and methodological weaknesses (4-6).
- Predominantly subjective outcomes; few objective measures like polysomnography [4-6].
- Heterogeneity in remedies, potencies, and patient populations [4-6].
- Publication bias may overestimate efficacy [6].

Future Directions

- Large-scale, multicentre RCTs with objective sleep measurements.
- Standardized outcome measures (ISI, PSQI, actigraphy, polysomnography).

 Longitudinal studies on chronic insomnia and quality of life improvements.

Conclusion

Insomnia affects ~16% of adults worldwide, with substantial physical, cognitive, and economic burden [1-3]. Conventional therapies are effective but have limitations. Homeopathy, guided by Boericke's Materia Medica and Clinical Repertory, provides a structured, individualized approach that may complement standard care [4-6, 8, 9].

While preliminary evidence suggests benefit, high-quality trials are lacking. Homeopathy should be adjunctive, with patient-informed consent and continuous monitoring. Future research should focus on rigorous clinical trials with objective sleep assessment to determine the true efficacy of homeopathy in insomnia management [4-6].

Conflict of Interest

Not available

Financial Support

Not available

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How to Cite This Article

Patel G, Rawat A, Mishra B. Exploring the homeopathic role in the management of Insomnia: A william boericke "materia medica and repertorial approach". International Journal of Homoeopathic Sciences. 2025;9(4):1362-1364.

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