

## UPNAHA SWEDANA: SPECIFIC INDICATIONS IN VARIOUS DISEASES

**Vd. Pradnya Vaidya<sup>1</sup>, Prayag Sethiya<sup>2</sup>, Vd. Pruthraj Ugale<sup>3</sup>, Vd. Tushar Vaidya<sup>4</sup>**

<sup>\*1,4</sup> Ivy Leaf Ayurvedic Hospital, Sambhave, Mulshi, Pune

<sup>\*2</sup> Vedant Ayurvedic Clinic, Pune

<sup>\*3</sup> Shree Vishwaswasthya Ayurvedic clinic And Panchakarma chikitsalaya, Akurdi, Pune

### *Abstract*

#### **Keywords:**

*Upnaha Swedana,  
Ayurveda, Sudation  
Therapy, Sandhigata  
Vata, Aamvata,  
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Localized Swedana*

Upnaha Swedana is a unique type of sudation therapy used in Ayurveda, especially effective in managing localized musculoskeletal and inflammatory disorders. This review-based study explores the specific clinical indications of Upnaha Swedana in various diseases based on analysis of nine contemporary research articles. These include clinical evaluations of Upnaha in conditions such as Sandhigata Vata (Osteoarthritis), Aamvata (Rheumatoid Arthritis), Manyastambha (Cervical Spondylosis), and disorders related to Pranavaha Srotas (respiratory channels). Each study highlights the therapeutic utility, pharmacological rationale, and mode of application of medicated poultices (Upnaha) tailored to individual disease conditions. The findings support Upnaha Swedana as a safe, localized and cost-effective intervention that aligns with the principles of Snehana (oleation), Swedana (sudation), and Samprapti Vighatana (breaking the pathogenesis). The paper aims to consolidate scientific and classical evidence on the targeted use of Upnaha in clinical practice and promote its integration into Ayurvedic therapeutic strategies.

### **Introduction**

Upnaha Swedana, a traditional Ayurvedic therapeutic technique, plays a significant role in the treatment of various musculoskeletal and inflammatory conditions. Derived from the classical principles of **Swedana (sudation)** and **Snehana (oleation)**, it involves the application of medicated poultices or warm compresses to specific body regions, promoting the elimination of toxins, enhancing circulation, and alleviating pain. In the context of Ayurvedic treatment, **Upnaha Swedana** is utilized to address **Vata**-related disorders such as **Sandhigata Vata** (Osteoarthritis), **Aamvata** (Rheumatoid Arthritis), and **Manyastambha** (Cervical Spondylosis), where localized inflammation and stiffness are common symptoms.

The therapeutic potential of Upnaha Swedana has been explored in numerous clinical studies, demonstrating its efficacy in managing a variety of conditions by applying localized heat, improving flexibility, and facilitating the breakdown of metabolic waste products. Despite its historical use and widespread application in traditional practice, there is a lack of comprehensive scientific understanding of the specific indications, benefits, and mechanisms behind Upnaha Swedana, especially in comparison to modern physiotherapy modalities.

This paper seeks to bridge this gap by reviewing the current body of research on **Upnaha Swedana**, analyzing its scientific basis, clinical applications, and effectiveness in managing musculoskeletal disorders. By synthesizing findings from multiple studies, this paper aims to provide a clearer understanding of Upnaha's therapeutic scope and offer valuable insights for its integration into modern healthcare practices.

**Objectives**

1. To evaluate the clinical effectiveness of Upnaha Swedana in managing musculoskeletal and inflammatory disorders such as Sandhigata Vata, Aamvata, and Manyastambha.
2. To compare Upnaha Swedana with modern physiotherapy and other Ayurvedic therapies as a localized treatment modality.
3. To understand the scientific rationale behind Upnaha Swedana, focusing on its roles in detoxification, improving circulation, and reducing inflammation.

**Hypothesis**

1. Upnaha Swedana effectively alleviates pain and stiffness in musculoskeletal and inflammatory conditions like Osteoarthritis, Rheumatoid Arthritis, and Cervical Spondylosis.
2. The localized heat and medicated application enhance circulation, reduce inflammation, and aid in toxin elimination.
3. Upnaha Swedana may offer therapeutic outcomes comparable to or better than conventional physiotherapy in improving joint mobility and patient functionality.

**Scope**

This study focuses on the clinical effectiveness and scientific validation of Upnaha Swedana in managing musculoskeletal conditions like Osteoarthritis, Rheumatoid Arthritis, and Cervical Spondylosis. It evaluates its therapeutic mechanisms—such as enhancing circulation, detoxification, and reducing inflammation—and compares its outcomes with conventional treatments, aiming to support its integration into modern clinical practice.

**Limitations**

1. Limited Clinical Data: There is a lack of large-scale, peer-reviewed clinical trials specifically focused on Upnaha Swedana, reducing the generalizability of existing findings.
2. Variability in Protocols: Differences in herbal formulations, treatment duration, and application techniques hinder standardization across studies.
3. Subjective Outcome Measures: Reliance on self-reported symptoms and pain scales may introduce bias in evaluating treatment efficacy.
4. Lack of Control Groups: Many studies lack placebo or control groups, limiting the strength of evidence regarding Upnaha Swedana's comparative effectiveness.

**Literature Review**

The therapeutic application of Upnaha Swedana, a form of Swedana (sudation) therapy, has been documented across multiple Ayurvedic studies as an effective intervention for managing various musculoskeletal and inflammatory conditions. The heat therapy provided by Upnaha Swedana plays a pivotal role in enhancing blood circulation, relieving joint stiffness, and promoting detoxification. This section reviews existing literature that highlights the application, effectiveness, and scientific validation of Upnaha Swedana in treating diseases like Sandhigata Vata (Osteoarthritis), Aamvata (Rheumatoid Arthritis), Manyastambha (Cervical Spondylosis), and Pranavaha Srotas diseases.

***Upnaha Swedana in Musculoskeletal Disorders***

Kamakshi Joshi et al. (2024) in their study on the purifying method for Shankha, evaluated the use of Upnaha Swedana for the management of Sandhigata Vata (Osteoarthritis). Their results showed that the application of medicated poultices significantly improved joint mobility and reduced pain. The study further validated the use of Upnaha Swedana in treating joint disorders, as it effectively mitigated symptoms of inflammation and stiffness. This aligns with the findings of Pendro Singh Shyam et al. (2024), where the combined therapy of Erandadi Guggulu and Upnaha Swedana demonstrated a significant reduction in pain and swelling in Aamvata (Rheumatoid Arthritis) patients, providing a holistic approach to the management of inflammatory joint diseases.

Gurkirat Kaur and Sanath Kumar DG (2024) also conducted a review of Swedana and its effects on heat shock proteins, which are crucial in cellular repair. The study suggests that Upnaha Swedana induces a heat shock response in the body, facilitating the repair of damaged tissues and enhancing the healing process, thus providing an additional layer of scientific rationale for its use in inflammatory conditions like Aamvata.

### ***Mechanisms of Action in Disease Management***

The mechanism behind Upnaha Swedana therapy is primarily based on its ability to enhance circulation and detoxify the body. Swedana therapy has long been used to alleviate the Vata dosha, which governs joint movement and flexibility. The use of medicated poultices in Upnaha Swedana works to improve blood flow to affected areas, promoting the elimination of metabolic toxins and reducing inflammation. This is evident in the study by Avvinish Narine et al. (2024), who explored the effectiveness of Upnaha Swedana in the treatment of musculoskeletal diseases and concluded that it provides significant benefits in reducing pain and stiffness while improving joint mobility.

In their study on Pranavaha Srotas diseases, Priya Nashine et al. (2024) reviewed the presence of Swedana Karma in various diseases, establishing that Upnaha Swedana plays a vital role in managing conditions involving the respiratory and circulatory systems. By inducing sweating and improving circulation, it supports overall health and well-being. This highlights the broader applicability of Swedana beyond musculoskeletal disorders.

### ***Comparison with Modern Physiotherapy***

Several studies have compared the benefits of Upnaha Swedana with modern physiotherapy modalities. A key study by Varsha K et al. (2022) compared Swedana Karma with physiotherapy techniques such as ultrasound and heat therapy. The research concluded that Upnaha Swedana showed comparable efficacy in reducing pain and improving joint mobility. Furthermore, Upnaha Swedana was noted to provide a holistic benefit, addressing not only the symptoms of pain but also improving overall physical function and mental well-being.

### ***Challenges and Future Directions***

While Upnaha Swedana has shown promising results in managing Osteoarthritis, Rheumatoid Arthritis, and Cervical Spondylosis, several challenges remain. The lack of large-scale, randomized controlled trials (RCTs) makes it difficult to fully substantiate the long-term benefits and compare it with modern therapies. Diversity in treatment protocols, including the choice of herbal formulations and heat application methods, further complicates standardization.

Moreover, integration into modern clinical practice presents its own challenges, particularly in terms of training and acceptance among healthcare practitioners. Despite these limitations, the growing body of evidence suggests that Upnaha Swedana is a valuable therapeutic tool in Ayurveda and can complement existing treatments for joint and musculoskeletal conditions.

### **Conclusion**

Upnaha Swedana has shown significant potential in managing musculoskeletal and inflammatory disorders like Osteoarthritis, Rheumatoid Arthritis, and Cervical Spondylosis. Its therapeutic benefits—such as reducing pain, inflammation, and stiffness—are attributed to improved circulation, detoxification, and localized heat application. Evidence suggests that Upnaha Swedana offers comparable or superior outcomes to modern physiotherapy, especially in improving joint mobility and overall functionality. However, further scientific validation, standardized protocols, and integration into modern healthcare systems are essential to fully establish its clinical value.

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