

## REVISITING BASTI SAMMILANA VIDHI: SYSTEMATIC ANALYSIS WITH SCIENTIFIC APPROCH BEHIND AYURVEDIC ENEMA FORMULATION

Dr. Padmavati Venkatesh and Dr. Sudha L.\*

India.

Article Received on 15 Dec. 2025,  
Article Revised on 05 Jan. 2026,  
Article Published on 16 Jan. 2026,

<https://doi.org/10.5281/zenodo.18265036>

**\*Corresponding Author**

Dr. Sudha L.

India.



**How to cite this Article:** Dr. Padmavati Venkatesh and Dr. Sudha L.\* (2026). Revisiting Basti Sammilana Vidhi: Systematic Analysis With Scientific Approach Behind Ayurvedic Enema Formulation. World Journal of Pharmaceutical Research, 15(2), 653-659. This work is licensed under Creative Commons Attribution 4.0 International license.

### ABSTRACT

*Basti Sammilana Vidhi*, the process of adding ingredients of *Niruha Basti* in particular sequence according to classics plays crucial role in establishing efficacy and stability of formulation. This article reviews classical Ayurvedic texts *Caraka Samhita*, *Sushruta Samhita*, *Ashtanga Hridaya* and *Kashyapa Samhita* to analyse the sequence and proportion of *Basti* ingredients like *Madhu*, *Saindava*, *Sneha*, *Kalka*, *Kashaya* and *Avapa Dravya*. Each component contributes uniquely- *Madhu* acts as a catalyst, salt aids absorption, lipids improve bioavailability, *Kalka* enhances viscosity and synergy, *Kashaya* delivers water-soluble actives and *Avapa Dravya* adjust potency. A modern interpretation reveals its role in enhancing gut health, mucosal healing and systemic action. Improper mixing can alter absorption and therapeutic results. Understanding and applying correct methodology of *Sammilana Vidhi* is essential for

achieving predictable and effective outcomes of *Basti* therapy.

**KEYWORDS:** *Niruha Basti*, *Sammilana vidhi*, *Madhu*, *Saindhava*, *Sneha*, *Kalka*, *Kashaya*.

### INTRODUCTION

*Basti* is one among five principal procedures of *Panchakarma* and considered most effective therapy for management of *Vata* disorders. It plays significant role not only in treating disease but also in health maintenance and rejuvenation. Among multiple components of

*Basti* therapy, the process of *Basti Sammilana Vidhi*- the method of mixing ingredients- holds critical therapeutic value.

According to classical texts, the formulation of *Basti* involves systematic combination of various components such as *Madhu* (honey), *Saindava* (salt), *Sneha* (medicated oil or ghee), *Kalka* (herbal paste), *Kwatha* (decoction) and *Avapa Dravya*. The order of mixing, proportion of ingredients and the technique adopted during process are believed to influence the stability, potency and efficacy of the final preparation. Improper mixing may lead to phase separation, reduced absorption and lesser therapeutic outcomes.

Despite its significance, *Basti Sammilana Vidhi* is often underemphasized in clinical practice, leading to variations in the method of preparation and application. Such inconsistencies may influence the therapeutic efficacy and predictability of outcomes. A thorough understanding of the classical principles and proper execution of this process is therefore essential to achieve desired results of *Basti* therapy.

## AIMS AND OBJECTIVE

- To study the order of *Niruha Basti* preparation.
- To study the Significance of the *Basti Sammilana Vidhi*.

## METHOD AND MATERIALS

Literature review done through classical text, relevant articles/ journals.

## OBSERVATION

**Table No. 1: Shows order of *Basti Dravya* Acc to Different authors.**

<i>Caraka Samhita</i> <sup>[1]</sup>	<i>Madhu, Saindava, Sneha, Kalka, Kashaya, Avapa Dravya.</i>
<i>Sushruta Samhita</i> <sup>[2]</sup>	<i>Saindava, Madhu, Sneha, Kalka, Kashaya, Avapa Dravya.</i>
<i>Ashtang Hridaya</i> <sup>[3]</sup>	<i>Madhu, Saindava, Sneha, Kalka, Kashaya, Avapa Dravya.</i>
<i>Kashyapa Samhita</i> <sup>[4]</sup>	<i>Madhu, Saindava, Sneha, Kalka, Kashaya, Avapa Dravya.</i>

## Procedure

*Madhu* as a *Mangaakara* i.e as auspicious, it is poured for auspiciousness.

*Madhu* is considered *Yogavahi* i.e best catalyst, it enhances the properties of *Basti Dravya*.

Prime role of honey is to increase retention time of *Basti* by counteracting the irritative property of rock salt.

**Saindava:** The salt disintegrates *Picchilata*, *Bahulata* and *Kashayatwa* of *Madhu* by its *Tikshna* and *Sukshma Guna*.

*Saindava* plays an important role in *Basti* absorption. In most of drugs absorption  $\text{Na}^+$  channels are used.

*Saindhava* with *Tikshna* and *Ushna* properties helps *Basti* ingredients to reach each and every tissue level.

*Sneha* brings uniformity of formulation.

In presence of *Sneha*, fat soluble fraction of the drug easily absorbed through colon. Lipids and lipid soluble ingredients can easily enter cell. In this way, *Sneha* helps *Basti Dravya* to reach at cellular level.

Ensures quick and homogenous mixing (*Sammuchana*) of *Basti Dravya* like *Sneha*, *Kalka* and *Kashaya*. It gives required consistency to *Basti Dravya* and thus, have role in retention of *Basti*. Fresh drug and drug containing volatile property can be used in the form of *Kalka*. *Kalka* drugs enhances the action of *Kashaya*.

**Kashaya:** Increases bulkiness and homogeneous mixture of *Basti*.

It helps to get water soluble Fraction of *Basti Dravya* selected on the basis of *Roga* and *Rogi Avasta*.

*Gomutra* which increases the *Teekshnata* and *Veerya* of the *Basti*.

These are used to make *Basti* soft or strong and to increase the quantity of *Basti*.

**Table No. 2: showing *Avapa Dravya*.**

<b>Dosha</b>	<b>Avapa Dravya</b>
Vata	<i>Mamsarasa</i>
Pitta	<i>Sharkara, Takra, Ksheera.</i>

**Table No. 3: Shows the quantity of *Basti* According to Different Authors.**

Ingredients	Caraka	Sushruta	Vaghbata	Kashyapa
Total Quantity	12 <i>Prasruta</i>	12 <i>Prasruta</i>	9 <i>Prasruta</i>	12 <i>Prasruta</i>
<i>Madhu</i>	2 <i>Prasruta.</i>	4 <i>Phala</i>	3 <i>Phala</i>	2 <i>Phala.</i>
<i>Saindava</i>	1 <i>Karsha.</i>	1 <i>Aksha</i>	½ <i>Karsha.</i>	½ <i>Karsha.</i>
<i>Sneha</i>	2 <i>Prasruta.</i>	6 <i>Phala</i>	3 <i>Phala</i>	4 <i>Phala</i>
<i>Kalka</i>	1 <i>Prasruta.</i>	2 <i>Phala.</i>	2 <i>Phala.</i>	2 <i>Phala.</i>
<i>Kashaya</i>	5 <i>Prasruta</i>	4 <i>Phala.</i>	5 <i>Prasruta</i>	4 <i>Phala.</i>
<i>Avapa</i>	1 <i>Prasruta</i>	4 <i>Phala</i>	1 <i>Prasruta</i>	2 <i>Phala.</i>

### Modern Interpretation

#### HONEY

Honey helps in enhanced therapeutic outcomes by modulating gut micro biota and promoting the production of short-chain fatty acids (SCFAs) such as butyrate. SCFAs support colonic health by serving as an energy source for colonocytes, strengthening the intestinal barrier, promoting mucus and tight junction protein production and reducing inflammation. They also help regulate immune responses by increasing regulatory T cells and suppressing pro-inflammatory cytokines like Interleukin-17.

#### SALT

*Saindhava Lavana* plays critical role as functional adjuvant. Salt enhances osmolarity of *Basti Dravya*, promoting water movement into colon by osmosis. This property helps to soften stool, eases its evacuation and facilitate the spread of medication across mucosal surface. It also improves solubility and dispersion of lipid-based or hydrophobic components like oils and ghee, ensuring uniform consistency and bioavailability of active compounds. Its mild irritant action of salt can stimulate peristalsis and reflex evacuation. Its known antimicrobial and anti-inflammatory properties may also contribute to gut mucosal healing.

#### LIPIDS

Lipid components play crucial supportive role in maintaining gut integrity and enhancing therapeutic efficacy. They help to repair epithelial damage, strengthen intestinal barrier and support a balanced gut micro biome. Lipids also soften stools and ease defecation and their emollient nature minimizes colonic irritation during administration. Additionally, lipids nourish enteric nervous system, aiding autonomic regulation. These also improve the

solubility and absorption of fat-soluble herbal constituents, enhancing bioavailability and promoting faster systemic action by bypassing hepatic metabolism.

### **KALKA**

*Kalka* imparts the desired viscosity to *Basti* formulation ensuring proper consistency for effective administration. It functions as a bio-enhancer, amplifying the therapeutic potential of other components. By promoting better mucosal adherence and absorption, *Kalka* supports localized action and may facilitate synergistic interactions among active ingredients, thereby enhancing the overall efficacy of *Basti* formulation.

### **KASHAYA**

*Kashaya* contains water-soluble Phyto-constituents such as Alkaloids, Tannins, Glycosides and Flavonoids. These bioactive compounds are effectively absorbed through colonic mucosa, contributing to systemic therapeutic effects. They help to stimulate peristalsis, aid in elimination of toxins and impacted faecal matter and regulate Gut micro biota and fermentation processes. The aqueous nature of *Kashaya* enhances hydration and may assist in correcting electrolyte imbalance. These constituents exhibit anti-inflammatory, antioxidant and immunomodulatory properties offering both local and systemic benefits.

### **DISCUSSION**

The efficacy of *Niruha Basti* is due to its ingredients as well as by methodology of their combination- *Basti Sammilana Vidhi*. Classical texts provide a detailed, stepwise methodology for the mixing process designed to enhance physicochemical and therapeutic properties of formulation. This discussion integrates textual review with contemporary scientific perspectives to highlight the critical relevance of this method.

The sequence of mixing *Madhu*, *Saindhava*, *Sneha*, *Kalka*, *Kashaya* and *Avapa Dravya*- is not arbitrary but reflects a systematic strategy for achieving stable and bioactive formulation. The initial use of *Madhu* acts as a bio-enhancer and emulsifying agent that improves the miscibility of aqueous and lipid phases. It's prebiotic and SCFA-inducing properties support gut mucosal integrity and systemic immune modulation. *Saindhava* further aids in osmotic balance, enhances solubilisation and stimulates colonic peristalsis, aligning with modern understanding of osmotic laxatives and mucosal stimulants. *Sneha* contributes not just to uniformity but significantly to the absorption of lipophilic actives, epithelial repair and neuro-immune regulation within enteric system. These functions are critical in the context of *Vata*

disorders which primarily affect neurological and musculoskeletal systems. *Kalka*, traditionally seen as a viscosity enhancer, also serves as a synergistic bioactive carrier. It may extend the retention time of formulation, aid in local therapeutic action and improve mucosal contact-all of which are important for drug absorption in rectal therapy. *Kashaya*, rich in water-soluble phytochemicals brings therapeutic specificity to the formulation. Modern phytochemical analysis of such decoctions reveals anti-inflammatory, antioxidant and immunomodulatory effects, supporting their use in inflammatory bowel conditions, systemic detoxification and modulation of gut micro biota. The role of *Avapa Dravya*, though auxiliary, is crucial for titrating the potency and fluidity of preparation. Their adaptogenic and catalytic properties influence the penetration and speed of *Basti* action. Importantly, deviations in the classical *Sammilana* sequence or technique may lead to phase separation, loss of active constituents, poor mucosal absorption and ultimately less assured therapeutic results. This highlights the need for precise procedural adherence in clinical practice to ensure reproducibility and consistent outcomes.

Integrating traditional Ayurvedic rationale with current pharmacological insights validates ancient methodology and underscores the need for its rigorous application. Furthermore, this bridge between classical wisdom and contemporary science offers a foundation for developing standardized yet personalized enema therapies, particularly valuable in chronic *Vata* disorders, metabolic dysfunctions and autoimmune conditions.

## CONCLUSION

*Basti Sammilana Vidhi* is a critical stage in the preparation of *Niruha Basti* directly influencing its therapeutic efficacy and stability. Classical texts outline a specific order of mixing ingredients to ensure synergy, uniformity and optimal absorption. Modern interpretations support these principles, revealing how components like honey, salt, lipids and herbal decoctions promote mucosal healing, enhance bioavailability and modulate immune responses. Deviating from the prescribed method can compromise effectiveness of formulations. Therefore, precise adherence to *Basti Sammilana Vidhi* is essential for achieving consistent clinical outcomes and integrating traditional Ayurvedic practices with modern therapeutic insights.

## REFERENCES

1. Agnivesha. Carakaa Samhita, revised by Carakaa and Dridhabala, with Ayurvedadeepika Commentary of Chakrapanidatta edited by Vaidya Yadavji Trikamji Acharya Varanasi: Chowkambha Orientalia: reprint 2014. Siddi Sthana 3<sup>rd</sup> chapter, Shloka-23, 24, page-692.
2. Sushrutaa Samhita by Prof.K.R. Srikantha Murthy, English Translation, Chaukhambha Orientalia, Chikithsa Sthana 38<sup>th</sup> Shloka-30, 31, Page- 369.
3. Astangaa Hrudaya by Kaviraja Atrideva Gupta edited with Vidyitini Hindi Commentary, Chaukhambha Prakashana Varanasi. Sutra Sthana 19<sup>th</sup> Chapter, Shloka- 45, page 166.
4. Kashyapaa Samhita Text by P.V Tewari, English Translation and commentary, Chaukhambha Visvabharathi, Khila Sthana 8<sup>th</sup> Chapter, Shloka 37,38, Page- 530.
5. Kashyapaa Samhita Text by P.V Tewari, English Translation and commentary, Chaukhambha Visvabharathi, Khila Sthana 8<sup>th</sup> Chapter, Shloka 40, Page- 530.
6. Kashyapaa Samhita Text by P.V Tewari, English Translation and commentary, Chaukhambha Visvabharathi, Khila Sthana 8<sup>th</sup> Chapter, Shloka 41, Page- 530.
7. Kashyapaa Samhita Text by P.V Tewari, English Translation and commentary, Chaukhambha Visvabharathi, Khila Sthana 8<sup>th</sup> Chapter, Shloka 42, Page- 530.
8. Kashyapaa Samhita Text by P.V Tewari, English Translation and commentary, Chaukhambha Visvabharathi, Khila Sthana 8<sup>th</sup> Chapter, Shloka 43, Page- 530.
9. Kashyapaa Samhita Text by P.V Tewari, English Translation and commentary, Chaukhambha Visvabharathi, Khila Sthana 8<sup>th</sup> Chapter, Shloka 44, Page- 530.