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#### REVIEW ARTICLE

# Concept of Basti – A Review

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## **ABSTRACT**

Three key Ayurvedic principles are Samshodhana (therapeutic purification), Samshamana (palliative treatment), and Nidana Parivarjana (avoid causative causes) in the management of disorders. With five well-planned treatments for internal body cleaning through the closest route, Panchakarma offers a distinctive take on Ayurveda. Basti Chikitsa is considered the most effective Panchakarma treatment method. Being an eternal science, "Ayurveda," the "science of human life," deals with the physical, psychological as well as spiritual well-being of an individual. It covers all the spheres of human life. The importance of Basti is highlighted as much as to call it half of the treatment. It is the best therapy to regulate the vata dosha which is the chief governing force behind all the physiological and pathological processes both in the body and mind. Basti Chikitsa is not only best for Vata dosha disorders but also cures the Pitta dosha, Kapha dosha, Sansargajanya dosha, and Raktgata dosha disorders. It is also useful to treat Shakhagat, Koshthagat, and Tiryak Margagat diseases.

# 1. INTRODUCTION

Ayurveda defines Vyadhi as a state in which suffering and pain affect the mind and body simultaneously.<sup>[1]</sup> The three basic components of the living organism, the doshas, are out of balance in this state. Chikitsa refers to the actions done to bring the Doshika equilibrium back.<sup>[2]</sup>

The *Ayurvedic* approach to the treatment of a disease Comprises mainly two procedures.

- 1) Shodhana
- 2) Shamana

The purpose of *Shodhana Chikitsa* is to totally eradicate vitiated *Doshas*, which stops ailments from returning. *Shamana*, on the other hand, is a conservative treatment as it just subdues vitiated *Doshas* rather than eliminating them. While *Acharya Charaka* has said that the ailment cured by *Shamana Chikitsa* may reappear, it is thought that the disease cured by *Shodhana Chikitsa* cannot possibly reoccur.<sup>[3]</sup>

Panchakarma is often used interchangeably with Shodhana. Out of the above five, it consists of Vamana, Virechana, Anuvasana Basti, Niruha Basti, and Nasya Karma (but it is not just Shodhana Chikitsa). Basti, with its various dimensions, is the most significant in Panchakarma.

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In *Ayurvedic* physiology, *Vata* influences the functions of *Pitta* and *Kapha*, hence they are dependent on it. Along with eliminating other *Doshas* and morbid *Vata* from the root, *Basti* also provides nourishment to the bodily tissues<sup>[4]</sup> consequently, *Basti* therapy treats more than half of all diseases, yet other authors believe it to be the only cure for all diseases. *Basti* is therefore regarded as the finest treatment for morbid *Vata*,<sup>[5]</sup> but Sushruta says that by utilizing other components, it can also be utilized to treat *Kaphaja* and *Pittaja* problems.<sup>[6]</sup>

An enema is mostly used in contemporary medicine to eliminate waste from the large intestine, but in *Ayurveda*, [7] *Basti* is used to administer medication for several actions, acting both systematically on bodily tissue and locally on the large intestine. The historical aspect of the *Basti* study is crucial to understand the subject's systematic growth and development to plan for future establishment and research design.

The biochemical and physiological effects of *Basti Dravyas* on the body are included in the pharmacodynamics of *Basti Karma*. These effects can be explained by the mechanisms of absorption, neurological stimulation, chemical stimulation, and mechanical stimulation. There are three possible ways to absorb the *Basti Dravya:* directly, through filtering, diffusion, and osmosis. The central nervous system (CNS) and the enteric nervous system (ENS) interact synergistically. Stimulation of the ENS by chemo- or mechano-receptors may activate the relevant region of the CNS, causing the appropriate outcome. Nervous stimulation is caused by specific mechanical or chemical stimulation, which in turn creates the effect.

## 2. LITERARY REVIEW

#### 2.1. Materials

#### 2.1.1. Ayurvedic Grantha

- 1. Charak Samhita
- 2. Shusruta Samhita
- 3. Astanga Hridaya

#### Other:

- 1. Journals, article
- 2. Internet-Wikipedia

## 2.2. Nirukti

The term "Basta" refers to the bladder. The urine bladders of a variety of animals, including cows, deer, goats, and sheep, were once used as bags to contain the ingredients for enemas, such as oil and decoction, because this therapy uses the bladder or Basti, it became known as Basti Chikitsa.

"Basti" is the name of the animal bladder bag. In the past, the apparatus utilized for bastikarma was an animal's bladder. [8] It is also said that medication such as Kashaya, Ksheera, Taila, Ghrita, and so on, given by a Basti Netra of Basti Yantra through Gudamarga, initially enters the patient's lower abdomen, which houses the organ, or bladder. Thus, the process of Panchakarma is referred to as "Basti."

#### 2.3. Classification of Basti

The *Basti* is divided into numerous types that are suitable for use in various states: In general, it is categorized into two types: *Nirūha* and *Anuvāsana Basti*. *Āchārya Vāgbhata* and *Āchārya Caraka* have contemplated that the third kind is *Uttara Basti*. However, as *Uttara Basti* comprises either decoction or *Snehadravya*, *Āchārya Suṣruta* has left it out of the classification. Therefore, it falls under the category of *Anuvāsana Basti* or *Nirūha*.

# 2.3.1. Niruha Basti (Kashaya – Decoction based)

It is named *Niruha* because it eradicates *Doshas* from the body or subsides the disease of the body. It is also named *Asthapana Basti* due to its property of *Vayasthapana* or *Ayu Sthapana*. It has some special varieties also.

- Madhutailika Basti which consists predominantly of Madhu and Taila
- ii) Yapana Basti which prolongs life (Ayushya Yapanam), and may be administered in any time, in any season, and in any age
- iii) Yukta Ratha Basti which is indicated for, Rathis (travelers)
- iv) Siddha Basti which gives strength, Varna, and Arogya to life.

## 2.3.2. Anuvasana Basti

Excessive Sneha Dravyas are used in this Basti.

It again may be classified into three -

- i) Sneha Basti Sneha is used in Uttama matra, i.e., 6 pala
- ii) Anuvasana Basti 3 Pala Sneha is used
- iii) Matra Basti 1½ Pala Sneha is used.

# 2.4. Conceptual Review

Acharya Charaka says that the Veerya of Basti reaches Apana Vayu, feeds it, and then works upon Samana Vayu. It feeds Vyana Vayu after feeding Samana Vayu, and then it acts upon Udana Vayu and Prana Vayu, feeding them as well. [9] Even though Basti Dravyas leaves the body quickly with Mala, Sushruta Samhita states that the Veerya of Basti Aushadha penetrates the entire body through the Shrotas in the

same way that water poured at a plant's root reaches up to its leaves. This is because *Panchvata* acts on the *Veerya* in the same way that the sun draws moisture from the earth. The *Veerya* of *Basti Dravyas* appears in the colon and is swiftly carried by *Apana Vayu* to the *Samana Vayu* regions, normalizing it.<sup>[10,11]</sup>

## 2.5. Cleansing Effect

Although studies have demonstrated that symbiosis of the gut flora can result in major health problems, gut microbiota is an essential component of metabolism.<sup>[12]</sup> When *Basti Dravya* is administered, the colon becomes distended, which sets off the reflexive defecation response.

By reaching the ileocecal junction, *Basti* eliminates the entire contents of the colon and may cause the ejection of dangerous microbial colonies.

## 3. DISCUSSION

It has the power to eliminate Avarana and give Vata the effects of Anulomana. Using Pakwashaya Shodhana, it gets rid of all the Doshas in the body, especially Vata. In its Prakrita marga, Vata is maintained. Thus, it is referred to as "Vata Haranam Shrestham." Acharya Charaka claims that Guda is the Moola of Sharira, home to many kinds of Siras. Sira receives sustenance from Basti, which strengthens the entire body. According to Acharya Parashara, Guda is the source of the body's sira. By driving out Vit, Shleshma, Pitta, Anila, and Mutra, Basti provides physical firmness and enhances Shukra. Basti treats all kinds of diseases by clearing the body of any morbid accumulation of Dosha.

When Niruha is administered, the effects of the Basti may wear off within a few minutes, but the veerya circulates throughout the body through tiny channels similar to the way water moves through trees. Apanadi Vayu distributes the active ingredients of Basti, known as veerya, throughout the body. Whereas Apana distributes it below, Udana spreads it upward. Vyana Vayu disperses it in all directions. Basti has the inherent power to drive out Doshas from the roots of places such as Kati, Pristha, and Kostha so that there is no chance of recurrence. Basti dravya reaches places such as Kukshi, Parshwa Pradesh, Kati, and Nabhi Pradesh. A thorough cleaning of the lower GI tract occurs when it passes out. Mucus, poisons, pathogens, dangerous worms, and shedding of intestinal walls are consequently ejected.

# 3.1. Probable mode of action of Basti Karma

Vayu is the supreme deity and is in charge of all bodily processes as well as the development of illnesses. Because Basti governs the Vata, it also governs the Pitta and Kapha<sup>[13]</sup> because of its Virya (potency), Basti Dravyas can reach both the micro and microcellular levels when supplied. This serves to first interrupt the pathogenic process and transport the morbid materials to Pakvasaya for elimination. After absorption, it initiates the healing process. As a result, it has both curative and purifying effects.<sup>[14]</sup> Science nowadays still finds the Basti action to be a major conundrum. Based on the mechanisms of action, we can propose the following theories: mechanical, chemical, neural, and absorption mechanisms.<sup>[15]</sup>

## 4. CONCLUSION

Basti Karma's pharmacodynamics are intricate and challenging to understand. However, it was elegantly articulated in straightforward words in Ayurvedic classics. The rectum is not typically where nutrients are absorbed; but, because of its water solubility, the active components

of the *Niruha Basti Dravya* may be absorbed here through active transport and diffusion. Hypoosmotic solutions, which are present in *Sneha Basti* and other nourishing *Basti*, help the substance absorb into the circulation. *Basti* could therefore have both local and systemic effects. As water flows through the colon's mucous membrane in both directions, it is possible for water-soluble compounds to be easily absorbed. Short-chain fatty acids are also absorbed from the colon.

The combined action of the absorption mechanism, neural stimulation mechanism, chemical stimulation mechanism, and mechanical stimulation mechanism may be the cause of the pharmacodynamics of *Basti Karma*. *Basti* is a very complicated, sophisticated, systemic therapy with a broader variety of therapeutic activities and indications than enema alone. It is regarded as the most effective *Vata Dosha* treatment method. It is possible to create countless *Basti* for different patients and ailments by mixing several medications in varying amounts. To get the intended outcome, specific guidelines and instructions for administering *Basti* must be followed.

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All the authors contributed equally to the design and execution of the article.

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#### 8. ETHICAL APPROVALS

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# 9. CONFLICTS OF INTEREST

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# 10. DATA AVAILABILITY

This is an original manuscript and all data are available for only review purposes from principal investigators.

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