WORLD JOURNAL OF PHARMACEUTICAL RESEARCH

SJIF Impact Factor 8.084

Volume 12, Issue 1, 253-263.

Review Article

ISSN 2277- 7105

ROLE OF BASTI IN THE MANAGEMENT OF KUSHTHA

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Article Received on 12 November 2022,

Revised on 02 Dec. 2022, Accepted on 22 Dec. 2022,

DOI: 10.20959/wjpr20231-26633

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ABSTRACT

Kushtha is caused by vitiation of Kaphadi Dosha in the person indulging in unwholesome regimen, contraindicatory food and drinks, associated with sinful activities leading to the development of *Kushtha*. Most of the types of Kushtha are chronic, contagious and severe skin conditions. Acharya Charaka has divided Kushtha in two categories Mahakushtha and Kshudrakushtha depending on the involvement of Dosha, Dhatu, sign and symptoms. In modern science, Kushtha can be correlated with various skin disease including leprosy. The prevalence of skin disease varies from 4.2% to 11.6% in the general population. In Ayurveda every Kushtha is Tridoshaja. Acharya Charaka has mentioned that mainly 7 elements are responsible for the pathogenesis

of Kushtha which are Vata, Pitta, Kapha, Twaka, Rakta, Mamsa & Lasika. Acharya Charaka says that treatment should be according to dominancy of dosha and symptoms. In Bahudoshaavastha Shodhana is indicated like Vamana, Virechana, Raktamokshana etc. Among 18 types of Kushtha, in 8 types of Kushtha have involvement of Vata Dosha. Basti is considered as the best treatment for Vata Dosha, but Basti is contraindicated in Kushtha. In Charaka Siddhisthana mentioned that when there is a simultaneous indication and contraindication of therapies in a particular condition then the physician should decide for and against the administration of the therapy on the basis of the Avastha of the situation. So in the present study different formulation of Basti are compiled from Charaka Samhita, Sushruta Samhita and Ashtang Hridaya which will be useful to treat Kushtha patients which do not give response to regular Kaphaghna treatment modalities.

KYEWORDS: Kushtha, Shodhana, Niruha Basti, Anuvasana Basti.

INTRODUCTION

Kushtha is one of the eight Maha-gada mentioned in Samhita. [1] The impact of Kushtha is such that, the disease does not leave the patient even after his death and may appear in next Birth. [2] In Ayurveda all the skin diseases are described under the Kushtha Rogaadhikara and classified as Mahakushtha and Kshudrakushtha. Kushtha is caused by the vitiation of Doshas in person indulging in unwholesome regimens as intake of mutually contraindicatory food and drink, suppression of the urges for vomiting etc., use of cold water immediately after exposure to the sun, exertion etc., intake of uncooked food and intake of food before the previous meal is digested etc. There are 7 Mahakushtha and 11 Kshudrakushtha depending upon involvement of *Dosha*, *Dhatu*, sign and symptoms. The pathology of skin disease origin from the deranged physiology of seven factors connected to the skin. They are Vata, Pitta and Kapha in aggravated state and Dhatus namely Twaka, Rakta, Mamsa and Lasika. This all are considered as Saptakodravyasangraha. [3] So seven type of Mahakushtha are manifested by these seven morbid factors. Thus preliminary and manifested Kushtha gradually afflicts the whole body. Vitiated single Dosha can not cause Kushtha. All Tridosha are responsible for the manifestation of *Kushtha*. The vitiations in qualities of vitiated *Dosha* leads to further differentiation in the type of disease. As there Kushtha might be classified in seven, eleven or innumerable in number. [4] Kushtha is chronic, contagious and severe disease.

In modern science Kushtha can be corelated with various skin diseases including leprosy, psoriasis etc. due to the modernization of life style, faulty food habits like fast food, junk food, spicy food, alternate use of conditioner and hot climate various type of skin disease increase day by day. The prevalence of Skin Disease^[5] in general population is varies from 4.2% to 11.6%. Skin disease contribute about 2% of the global burden of disease measured in DALYs (Disease Adjusted Life years). Further skin disease increase clinical depression and anxiety in people. In general skin disease require long term treatment and treatment is costly.

The line of treatment according to Ayurveda for Kushtha are Shodhana and Shamana. Treatment should be do according to dominancy of Dosha. In Bahudoshaavastha Shodhana therapy is indicated. Shodhana has great importance because it removes the morbid Dosha from body which is the root cause of diseases, this Shodhana makes the disease easily curable. [6] Vamana, Virechana and Raktamokshana are consider as a best treatment for the management of Kushtha. In our classic Basti is contraindicated in Kushtha. [7] But among all type of Kushtha, there are many type of Kushtha has involvement of Vata Dosha. Acharya Charaka suggested to avoid the use of Asthapana Basti and Anuvasana Basti in Kushtha but also in same classic in *Chikitsa Sthana* find the reference of use of *Basti* in *Kushtha*.

Though, Basti is contraindicated in Kushtha Chikitsa. In Charaka Siddhisthana mentioned that when there are simultaneous indicated and contraindicated then the physician should decide for and against the administration of therapy on the basis of Avastha of the situation. [8] Here various Basti are collected from Samhita in which Kushtha is described as one of the indication.

METHODOLOGY

Here, Basti Karma mentioned in Kushtha Chikitsa have been compiled from all Bhruhattrayi an attempt has been made to analyse properties of the drugs used for the Basti Chikitsa as shown in table no. 2. To understand all this, *Dosha-pradhanya* of *Kushtha* types mension in table no. 1.

Table 1: Dosha-pradhanya of Kushtha.

Sr no.	Dosha	Cha. ^[9]	Su.[10]	A.H. ^[11]
1	Vata	Kapala	Aruna Parisarpa	Kapala
2	Pitta	Mandala	Udumbara Rishyajihva Kapala Kankanaka Visarpa Kitibha Vicharchika Pama Charmadala	Udumbara
3	Kapha	Udumbara Vicharchika	Pundarika Dadru Sthoolarushka Sidhma Raksa Mahakushtha Ek kushtha	Mandala Vicharchika
4	Vata - pitta	Rishyajihva		Rishyajihva
5	Pitta - kapha	Pundarika Pama Shataru Arunshika Sphota Charmadala		Dadru Shataru Arunshi Pundarika Visphota Pama Charmadala
6	Vata - kapha	Sidhma		Ek kushtha

		Charmadala	Kitibha
		Ek kushtha	Sidhma
		Kitibha	Alasaka
		Alasaka	Vipadika
7	Tridosha	Kankanaka	Kankanaka

Above table shows the types of *Kushtha* and their *Dosha-pradhanya* which is essential to finalise *Chikitsa Karma*.

Chikitsa-sutra or Line of treatment of Kushtha given by all Acharya include Sarpipana in Vatika Kushtha, Vamana in Kaphaja Kushtha, Virechana and Raktamokshana are indicated in Pittaja Kushtha. Though Kushtha has Vata Dosha as one of the vitiated factor, Basti is contra-indicated. Below are the references where Basti have been advised in the same.

Table 2: Reference of Basti from Brihattrayi.

Sr. no.	Adhyaya name	Reference	Drug
1	Kushtha Chikitsa	Cha.Chi.7/46	Anuvasana in Kushtha
2	Kushtha Chikitsa	Cha. Chi.7/47	Aasthapana in Kushtha
3	Bastisutriya Siddhi	Cha.Si.3/61-64	Rasnadi Niruha
4	Snehavyapada Siddhi	Cha. Si. 4/18-22	Vidangadi Taila
5	Prasrutayogiya Siddhi	Cha. Si. 8/8	Panchtikta Panchprasruta
6	Uttarabasti Siddhi	Cha Si. 12/18	Chatuh Prasruta Basti
7	Kalpasiddhi Adhyaya	Ah. ka. 4/23-24	Panchatikta

All the drugs used in the *Basti Karma* have been analysed to understand Mode of action in given table no. 3. :-(*Bhavprakash Nighantu*, *Acharya* Priyvat Sharma *Drvyaguna* book).

Table 3: Drug analysis.

No	Name of drug	Rasa			Vii	rya	. Vipaka		a	Doshghanta	Kushthghanta			
		Madhura	Amla	Lavana	Katu	Tikta	Kashaya	Ushna	Shita	Madhura	Amla	Katu		
1.	Darvi	-	-	-	+	+	-	+	-	-	-	+	Kaphvatghna	
2.	Brahmi	-	-	1	+	+	1	-	+	+	-	-	Kaphapittaghna	+
3.	Patola	-	-	1	1	+	1	+	-	-	-	+	Tridoshghna	
4.	Pichumarda	-	-	•	ı	+	•	•	+	-	•	+	Kaphapittaghna	+
5.	Madanphala	+	-	•	ı	+	•	+	1	-	•	+	Vatakaphaghna	+
6.	Krutamalaka	+	-	ı	ı	-	ı	ı	+	+	ı	1	Pittakaphghna	+
7.	Kalinga	ı	-	ı	+	-	ı	ı	+	-	ı	+	Tridoshghna	+
8.	Yava	+	-	-	-	-	+	-	+	-	-	+	Kaphapittaghna	
9.	Musta	+	-	•	+	+	+	•	+	-	•	+	Kaphapittaghna	
10.	Madhuka	+	-	•	ı	-	•	•	+	+	•	1	Pittavataghna	
11.	Rasna	ı	-	ı	-	+	ı	+	ı	-	1	+	Kaphavataghna	
12.	Amruta	-	-	-	+	+	+	+	-	+	-	-	Tridoshghna	+

13.	T 1												77 , 1 1 1	
	Eranda	-	-	-	+	-	-	+	-	+	-	-	Vatakaphaghna	
14.	Vidanga	-	-	-	+	-	-	+	-	-	-	+	Vataghna	
15.	Saptachhada	-	-	-	-	-	+	+	-	-	-	+	Kaphavataghna	+
16.	Ushira	+	-	-	-	+	-	-	+	-	-	+	Pittaghna	
17.	Surahava	-	-	-	-	-	+	-	+	-	-	+	Vataghna	
18.	Shampaka	+	-	-	-	-	-	-	+	+	-	-	Pittakaphaghna	+
19.	Bhunimba	-	-	-	-	+	-	-	+	-	-	+	Kaphapittaghna	+
20.	Patha	-	-	-	+	-	-	+	-	-	-	+	Vatakaphaghna	+
21.	Tikta	-	1	-	-	+	-	-	+	-	-	+	Kaphapittaghna	+
22.	Aakhuparni	-	1	1	+	+	+	-	+	-	-	+	Kaphaghna	
23.	Shalaparni	+	1	1	-	+	-	+	1	+	-	-	Vatapittakaphaghna	
24.	Prishniparni	+	-	-	-	+	-	+	-	+	-	-	Vatapittakaphaghna	
25.	Gokshura	+	-	-	-	-	-	-	+	+	-	-	Vatapittaghna	
26.	Brihati	-	-	-	_	+	+	+	-	_	_	+	Vatakaphaghna	
27.	Kantakari	-	-	-	_	+	+	+	-	_	_	+	Vatakaphaghna	
28.	Agnimantha	+	-	-	+	+	+	+	-	-	-	+	Vatakaphaghna	
29.	Syonaka	+	-	-	-	+	+	+	-	-	-	+	Vatakaphaghna	
30.	Gambhari	+	_	_	-	+	+	+	-	-	_	+	Kaphapittaghna	
31.	Patala	_	_	_	_	+	+	+	_	_	_	+	Vatapittakaphaghna	
32.	Trayantika	_	_	_	_	+	+	+	_	_	_	+	Pittakaphaghna	
33.	Shigru	+	_	_	+	+	_	+	_	_	_	+	Kaphavataghna	
34.	Krushna	_	_	_	+	_	_	+	_	+	_	_	Vatakaphaghna	+
35.	Phalini	_	_	_	<u> </u>	+	+	<u> </u>	+		_	+	Vatapittaghna	
36.	Shatahva	_	_	_	+		_	+	-	_	_	+	Vatakaphaghna	
37.	Rasanjana	_	_	_	+	+	_	+	_	_	_	+	Kaphapittaghna (
38.	Shwetavacha	_	_	_	+	+	_	+	_	_	_	+	Kaphavataghna	
39.	Rajani	_		_	+	+	_	+	_	_	_	+	Kaphapittaghna	
40.	Amalaki	+	+	_	+	+	+	+	_	+	_	-	Vatapittakaphaghna	
41.	Haritaki	+	+	_		_	+	+		+		_	Vatapittakaphaghna Vatapittakaphaghna	
42.	Bibhitaki	-	_	_		_	+	+	_	+	_	_	Kaphapittaghna	
43.	Jatipravala	_	_	_		+	+	+	-	_	_	_	Vataghna Vataghna	+
44.	Nirgundi	_	-	_		+			_		_		Kaphavataghna	
45.			-		+		+	+	-	-	-	+		+
	Sahachara	+	+	-	-	+	-	+	-	-	-	+	Vatakaphaghna	+
46.	Karviraka Bilwa	-	-	-	+	+	+	+	-	-	-	+	Kaphavataghna	+
47.		-	-	-	+	-	+	+	-	-	-	+	Vatakaphaghna	
48.	Trivruta	-	-	-	-	-	-	+	-	-	-	+	Vataghna	
49.	Devdaru	-	-	-	-	+	-	+	-	-	-	+	Vataghna	
50.	Vacha	-	-	-	+	+	-	+	-	-	-	+	Vataghna	
51.	Kushtha	+	-	-	+	+	-	+	-	-	-	+	Vatakaphaghna	+
52.	Latagauri	-	-	-	+	-	-	+	-	-	-	+	Kaphapittaghna	
53.	Agni	-	-	-	+	-	-	+	-	-	-	+	Tridoshaghna	
54.	Shati	-	-	-	+	+	-	+	-	-	-	+	Vatakaphaghna	+
55.	Pushkara	-	-	-	+	+	-	+	-	-	-	+	Vatakaphaghna	
56.	Gomutra	-	-	-	+	+	+	+	-	-	-	+	Kaphavatahara	
57.	Sarpi	-	-	-	-	-	-	-	+	+	-	-	Vatapittakaphahara	
58.	Taila	-	-	-	-	+	+	+	-	+	-	-	VataKaphahara	
59.	Madhu	+	-	-	-	-	+	-	+	+	-	-	Kaphahara	+
60.	Saindhava	-	-	+	-	-	-	+	-	-	-	+	Vatahara	

When studied, all the drugs were analysed depending upon their Rasa, Virya, Vipaka, Doshaghnata, Rogaghnata etc.

Table 4: Distribution of Basti Dravya according to Rasa.

RASA		
Rasa	No.	Percentage
Madhura	19	20%
Amla	3	2%
Lavana	1	2%
Katu	27	50%
Tikta	38	58%
Kashaya	24	30%

Table 5: Distribution of Basti Dravya according to Virya.

VIRYA		
Virya	No.	Percentage
Ushna	43	71.66%
Shita	17	28.33%

Table 6: Distribution of Basti Dravya according to Vipaka.

VIPAKA								
Vipaka	No.	Percentage						
Madhura	16	26.66%						
Amla	0	0%						
Katu	43	70%						

Table 7: Distribution of Basti Dravya according to Doshaghnata.

DOSHAGHNATA						
Dosha	No.	Percentage				
Vatahara	8	13.33%				
Pittahara	1	1.66%				
Kaphahara	2	3.33%				
Vatapittahara	2	3.33%				
Vatakaphahara	23	38.33%				
Kaphapittahara	14	23.33%				
Vatapittakaphahara	10	16.66%				
Kushthghna	20	33.33%				

DISCUSSION

Kushtha is Kleda Pradhana Vyadhi. Dosha get vitiated due to Hetu Sevana and spread throughout the body which in turn vitiates Dhatu and manifest disease. According to Acharya Charaka 7 Dravya when get disturbed lead to the genesis of Kushtha. These are three Doshas -Vata, Pitta, Kapha and 4 Dushya - Twaka, Rakta, Mamsa and Lasika (Ambu). In most of case of Kushtha Tridosha are involved with the main involvement of Kapha Dosha.

• Kapha Dosha- Shitata, Shaitya, Kandu, Sthirata, Snigdhata, Guarava, Utsedha, Kleda, Jantu-utapatti

- Pitta Dosha- Daha, Raga, Parisrava, Paka, Visra-gandha, Kleda, Anga-patan etc.
- Vata Dosha Raukshya, Shosha, Toda, Shoola, Sankoch, Ayam, Parushya, Khara, Harsha, Shyava-Aruna Varnata

Due to this Kleda-pradhana Bahudoshavastha, repeated Shodhana has been advised. Shodhana is advisable in Kapha and Pitta Pradhana conditions. But in some types Vata Prabalya or association of Vata is observed. [12] e.g. Kapala, Rushyajihva, Siddhma (Mahakushtha), Charmakhya, Eka-kushtha, Kitibha, Vipadika, Alasaka(Kshudra-kushtha). [13] According to Acharya Sushruta due to Doshaja and Karmaja Hetu aggravation of Pitta and Kapha takes place which produces Avarana of Vata enters in Tiryag Shira and spread throughout the body, producing Mandala at the gathering site of Dosha. [14] In many cases it can be observed that in spite of doing Shodhana- Vamana, Virechana, Raktamokshana, Kledaghna Pan-chikitsa, re-occurence of the conditions occurred. In such conditions though Kushtha is Kapha-Kleda Pradhan condition, priority to Vata Dosha should be given.

But in case of Kushtha Basti karma has been contraindicated. न आस्थाप्या कृष्ठिन:, almost all Acharyas have included Kushtha in Contra indicated List. The reason might be,

- 1. Niruha Basti is Jala-Mahabhoota Pradhana, among five contents of this Lavana, Sneha, *Kalka*, *Kwatha* may increase *Kleda Bhava* in the patient.
- Lavana- Praglayati Kushtham. [15]
- Sneha- As Sneha is Snigdha Guna-pradhana, can increase Kapha Dosha, leading to increase in Kushtha lesions.
- Kalka- It is in semisolid form, some quantity of liquid is added in Dry Drugs also. This water content can lead to increase Kleda.
- Kwatha- Decoctions are prepared by adding water to the drug in some proportions. Again this Jala Mahabhoota may increase Kleda.
- 2. Anuvasana Basti is Sneha-pradhana, directly increases Kleda vitiating Kushtha lesions.

Here Acharya Chakrapani has explained in commentary that Anuvasana Basti should be given after Niruha Basti and Virechana in Vatapradhana Kushtha. [16] As said the Pitta, Kapha and Malas, Dhatus, excreta of the body can not move on their own, i.e. they are said to be lame until all activities of them are initiated by Vata Dosha, like movement of Megha i.e. clouds is due to Vayu. [17] Among Vata Samanya Upakrama Basti is said to be superior to

all. Using Yukti Praman Acharyas have advised to apply Basti Karma clinically using Drugs mentioned in Table No.1. To understand clinical application of *Basti Karma* in *Kushtha* we should know mode of action of *Basti Karma*.

Mode of action of Basti

Ayurveda Siddhanta - The given Basti enters the Pakvasaya which is the main seat of Vata Dosha and destroys Vata Dosha which is the originator of all diseases. By subsiding the Vata, all diseases located in the other parts of the body also become pacified just like cutting the roots of a plant, the stem, branches, fruits, leaves, etc. also destroy. Acharya Charaka enunciated that man grows well by means of the Sneha Basti, just as a tree fed with water at its roots, yields green leaves, delicates sprouts, and in due time grows into a big tree full of flowers and fruits.[18]

Acharya Sushruta has told that the Virya of Basti drugs reach all over the body through the Srotas in the same way as the water poured at the root of the plant reaches up to the leaves. He said further explained that even though Basti drugs quickly come out with Mala, their Virya acts all over the body by the action of Apana and other Vayu, this action take place just like as sun draws moisture from the body. Guda is the Mula of the body where all Sira are located. [19] The Sneha administered through Guda reaches up to the head and nourishes the body.

Modern Science - The intestines have very important structures and physiology, which can affect and control the whole body. By stimulating different nerves in the intestine, one can get a stimulatory or inhibitory effect, the production of various hormones and neurotransmitters, which affects the whole body. Secretion of local enzymes and colonic bacteria plays an important role. Absorption of substance through intestine enters in general circulation by portal vein or lymphatic system. The main site of action of Basti is Pakvashaya only (large intestine and small intestine). Large intestine divide into Caecum, Rectum and Anal canal. As the rectum has rich blood and lymph supply, high quantity of *Niruhabasti* Dravya can cross the rectal mucosa and are carried by superior hemorrhoidal vein into the portal circulation. [20] In case of Anuvasana Basti the quantity is less and may not be able to cross the upper rectum, it may have been absorbed directly into the systemic circulation through the middle and inferior hemorrhoidal vein, which drain the lower rectum.

Here Basti acts as Vehicle which carries all necessary material to whole body within short span, without disturbing the Agni. Acharyas have asked to select Drugs which are Kushthaghna in nature to avoid any complications. From the observation and results obtained it has been noted that most of the *Dravya* listed having *Tikta*(58%), *Katu*(50%) and *Kashaya* Rasa(30%). This indicates that most of Tikta, Katu and Kashaya Rasa Dravya are useful to reduce the Kapha and Kleda.

With regard to the Virya it has been noted that the most of Dravya listed are having Ushna Virya Dravya (71.66%) and it also reduces Kleda, Kapha and Vata.

Here Katu Vipaka Dravya (70%) are present more as compared to Amla and Madhura Vipaka Dravya. Katu Vipaka countreracts the Kapha and Kleda and reduce it.

Most of Dravya are Vatakaphahara in nature. In most of case of Kushtha Tridosha are involved with main involvement of Kapha Dosha. So this all Dravyas are helpful in Kushtha Chikitsa.

CONCLUSION

Acharyas have advised to apply Yukti Pramana in Chikitsa. With the use of Chintya- Uhya Buddhi, we can use Basti Karma in Kushtha Chikitsa successfully though it is contraindicated in the same. Using *Basti* as vehicle to supply all *Kushthghna* Drugs in the body in short time, controlling Vata-dosha, complicated Kushtha Vyadhi (Skin diseases) can be treated.

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