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A Critical Appraisal on Shleepada in Ayurveda

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ABSTRACT

Shleepada is Kapha Pradhana Tridoshaja Vyadhi which manifests by vitiating Mamsa, Kapha and Rakta and it leads to abnormal enlargement of different body parts. Dusta Jala is considered to be one of the prime causes of Shleepada which manifests with the symptoms of fever, painful swelling starting from groin and extending to the feet. It is classified into three types as Vataja, Pittaja and Kaphaja. Some Acharyas opine that Shleepada manifests to the other body parts like hands, ears, eyes, penis, lips and nose. Ayurveda though provides therapeutic measures for disease, it emphasis more on maintenance and promotion of health. The present article reviews the concept of *Shleepada* enunciated in Samhitas.

KEYWORDS: Dusta Jala, Kapha Dosha, Shleepada, Types of Shleepada

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INRODUCTION

Shleepada is categorised under Krimi Vijnanam. [1] 'Shleepadam Iti Shilaavat Padam' a pathological condition which means foot will be turned hard like a stone. [2] This condition mostly affects the Twak (skin). Rohini is the sixth layer of Twak with thickness equivalent to Vrihi Pramana (thickness of Rice) and is regarded as the seat of Granthi, Apache, Arbudha, Shleepada and Galaganda.[3] Detailed review on Shleepada has been mentioned in Bruhattrayee and Laghutrayee. Water from Paariyaatra, Vindya, Sahya ranges causes Shiroroga, Hridroga, Kushta and Shleepada. [4] Water from Mahendra Mountain produces Shleepada and Udararoga whereas water of Himavat Mountain causes Hridroga, Kshvathu, Shiroroga, Shleepada and Galaganda. [5] Shleepada develops in cold climate and due to Dusta Jala (contaminated Water) which causes vitiation of Vata, Pitta, Kapha leading to Adhogamana of Prakupita Doshas which get localized in groin, thigh, foreleg, calves and gradually reaches to the foot giving rise to Shopha associated with Arati (Pain), *Jwara* (Pyrexia) and turns hard in consistency.^[6,7] *Acharya* Sushruta has mentioned that Shotha can occur in Karna, Netra, Shishna, Oshtha and Nasa. Shleepada has been classified into three types as Vataja, Pittaja and Kaphaja. This disease does not manifest without the involvement of Kapha Dosha. [6] If Shleepada persists for more than one year and it grows bigger in size resembling to that of an ant hill and exudates fluid associated with Kandu (itching) and Srava (discharge) it is termed as Asadhya (incurable). [6,8]

Aims and Objectives

To review and analyse the concept of *Shleepada* in *Ayurvedic*

Material and Methods

In present study different concepts on Shleepada has been reviewed, compiled from existing Ayurvedic literature, various research journals and authentic internet sources. Further the concepts are analysed and understanding has been put forth in regards to proposed title.

DISCUSSION

Nidana (Etiological Factors)

Detailed review on Nidana (Etiological factors) has been mentioned in *Bruhattrayee* and *Laghutrayee*. *Shleepada* has been mentioned under Krimi Vijnana.[1] Stagnated Water of Paariyaatra, Vindya, Sahya (Southern Branch of Western Ghats), stagnated water of Mahendra Mountains (Northern Branch of Western Ghats), Himalaya, Dushita Desha, Kala, Jala, Mithya Ahara (incompatible dietary intake) are responsible for manifestation of Shleepada.[4-6]

Bhava Prakasha has commented that water from Sahya Range (Example Godavari and Krishna River) may cause Twak Vikaras and vitiates Vata and Kapha Dosha. [9] Acharya Vagbhata opines that stagnated water from Himalayas, Vindya, Sahya, Mahendra Mountains mitigates Doshas, bestows the strength, sexual vigour and vitiates Tridosha.[10]Acharya Bhela has mentioned it under

Janapadodwamsa Vyadhi where habitual intake of *Matsyanna* in Prachya Pradesha (Bengal, Assam, Manipur, Nagaland, Mizoram, Arunachal Pradesh) causes prevalence of Kapha Pitta ailments like Galaganda and Shleepada.[11] He mentioned Dadhi (Curd) as a cause of Shleepada.[12] Matsya (fish) possesses Snigdha, Guru Guna, Madhura Rasa, Bahudoshakara and Vatahara properties.[13]

In Anupa Desha, due to heavy rainfall there will be stagnation of water in large quantity which has been put forth as Nidana for Shleepada. [6, 14] Anupa Desha always surrounds with thick forest where the cold wind blows. The land is predominant with Kapha Dosha and Kapha Predominant Vyadhi^[15] and water of Anupa Desha is Anekadosham, Abhishyandi and Ahitam.[16] It possesses Madhura Rasa, Snigdha, Guru and Abhishyandi Guna. It is Agninashaka and Kaphakara in

nature. [17] Madhura Rasa bestows Preenana, Jeevana, Tarpana, Sthairya and Bruhmana Karma and if consumed excessively produces Kapha Vikaras. Snigdha Guna is Sleshma Vardaka, Guru Guna diminishes the Agni and eliminates Vata Dosha with increase in Kapha. Abhishyandi Guna brings about excessive Kleda in body and causes obstruction to Srotas.[18]Water is the sustainer of life and stagnant water can be comprehended with Dusta Jala. [19] Sushruta opines that polluted water should not be consumed as they will aggravate the Doshas and leads to manifestation of deadly diseases. [20] Mithya Ahara Vihara and Dusta Jala [6] exhibit the *Kapha Pitta Kara* [19] property. Hence *Nidanas* play a key role in causing *Shleepada*.^[21] The assessment of *Nidana* varies as per person; here generally the evaluation of *Nidana* has been done in regards to Shleepada (Table 1).

Table 1, Evaluation of <i>Nidana</i> in <i>Shleepada</i>			
A. Sannikrusta Nidana	Kaphaja Ahara Vihara, Dusta Jala Sevana		
B. Viprakrusta Nidana	Sheeta Kala, Anupa Desha		
A. Vyabhichari Hetu	Sheeta Kala, Anupa Desha		
B. Pradhanika Hetu	Kaphakara Ahara, Dusta Jala sevana		
A. Utpadaka Hetu	In cold climate, due to Kaphakara Ahara Vihara, Kapha Dosha Prakopa		
B. Vyanjaka Hetu	Accumulated Kapha manifests disorders of Kapha		
A. Dosha Hetu	Vata – Jala from Sahya range Pitta- Water from Anupa Desha Kapha- Kaphavardhaka Ahara Vihara, Justa Jala Sevana		
B. Vyadhi Hetu 🥖	Kaphakara Ahara Vihara, Dushita Jala Sevana		
C. Ubhaya Hetu 💋 🚦	Water from Anupa Desha, Kaphavardhaka Ahara, Justa Jala Sevana		
A. Bahya Hetu	Kaphadosha Prakopaka Hetu (Dadhi, Matsya, Dusta Jala)		
B. Abhyantara Hetu 🥢 🖹	Research and Tridoshaja		
A.Asatmendriyartha Samyoga	Development		
B. Prajnapradha	Adharma (Janapadodwamsa)		
C. Parinama	Sheeta Kala		
A. Anubandha Hetu	Vata, Pitta Dosha		
B. Anubandhya Hetu	Kapha Dosha (Dusta Jala Sevana, Kaphakara Ahara Vihara)		

Purvarupa (Prodromal Symptoms)

Purvarupa of Shleepada has not been explained in Ayurveda classics.

Lakshanas (Symptoms)

On Nidana Sevana, when Dosha Dushya Sammurchana occurs, the Lakshanas (symptoms) will get manifested. In Sleepada 'Shila *Vat Shopham'* (hardening like a stone) can be taken as cardinal feature along with symptoms like *Jwara*, pain in groin region [6-7] (Table 2A).

Shopha^[18,19]: Consumption of Mithya Ahara Vihara leads to Tridosha Dushti. Kapha Dosha is predominant of Jala Mahabhuta and Prithvi Mahabhuta. Due to Sneha Samana Guna of Kapha, Pitta also gets vitiated. With an increase in Drava Guna of Pitta occurs Agni Mandhyata. Along with vitiated Vata, alteration in Guru and Sthira Guna of Kapha causes Srotorodha with decrease in metabolism, increase in body weight and thickened skin. With the increase in Guru and Picchila Guna in body Sira Shaithilya takes place and thus the working mechanism of Rasa Rakta Vikshepana gets slow down and it affects Rasa, Rakta, Sira and Lasika. The blood gets too thick with low osmotic pressure as compared to the cells. Thus it will move from higher concentration to lower concentration. Hence, there occurs the accumulation of fluid giving rise to 'Shila Vat Shopha'.

Arati: Arati is synonym of Vedana. Pain does not manifest without the involvement of Vata. Due to Srotorodha, Gati of Vata gets obstructed with alteration in Chala, Sukshma, Ruksha Guna of Vata. It causes increase in dryness of skin, discoloration and thickened skin.^[22,23]Pain in association with Pitta and Kapha Dosha, respectively the Dahayukta Vedana and Manda Vedana can be inferred due to alteration in *Guna* of the concerned *Dosha*.

Jwara: Intake of Excessive Shleshmala Ahara Vihara causes Ama formation with an increase in Drava, Snigdha, Picchila and Kleda Guna of Kapha Dosha. Aapya Mahabhuta is predominant in Kapha Dosha; with an increase in Kapha Dosha subsequently there occurs alteration in Medo Dhatu in the body. Along with the obstruction of Medovaha Srotas, Swedhavaha Srotas also gets obstructed as Sweda is Mala of Medo Dhatu. It does not able to restore the body temperature and thus causing Jwara. [24-25]

Table 2A, Evaluation of Lakshanas of Shleepada					
Hetu	Sira Shaithilya	Ama Manifestaton	Srotorodha		
Dosha involved	Tridosha	Tridosha	Vata		
Agni Dusti	Mandagni	Mandagni, Rasadhatvagnimandhya Medodhatvagnimandhya	Vishamagni		
Guna involved	Drava,Guru, Sthira, Picchila	Kleda, Drava, Snigdha Picchila	Sukshma, Ruksha, Chala		
Karma Affected	Sarana	Pachana	Gati		
Sroto Dushti	Sanga, Vimargagamana	Sanga Vimargamana	Sanga,Vimargagamana		
Lakshanas	Shopha	Jwara	Arati, Rukshata		

Shleepada is a Tridoshaja Vyadhi which is predominant of Kapha Dosha. [6] Acharya has classified Shleepada into three types as Vataja, Pittaja, Kaphaja (Table 2B). Acharya Bhela has enumerated Shleepada into seven types but no detail has been mentioned. [29] Visheshya Lakshanas (Table 2C) manifests pertaining to specific Doshic involvement as shown in table below.

Table 2B Types of Shleepada					
Types of Shleepada	Vataja shleepada	Pittaja shleepada	Kaphaja shleepada		
Charaka	Sci Sci	entie:	-		
Sushruta	200	0+2 V	+		
Vagbhata 🦊	, K(6) +	+ "%	+		
Madhava 🕖	8 + JTS	RD + 5%	+		
Bhavaprakasha	Internation	ial Journal	+		
Yogaratanakara =	of Trend in	Scientific 🔓	2 8 +		

Table 2C Symptoms of Types of Shleepada						
Dosha Lakshana	Vataja Shleepada	Pittaja Shleepada	🥊 💋 Kaphaja Shleepada			
Sushruta ^[26]	Khara, Krushna, Parusha, Animitta Anila Ruja	Peetav Avbasa,Ishat Mridu, Jwara, Daha	Shweta, Snighda, Mandavedana, Bharikam Mahagranthikam Kantaka Rupachitam			
Madhava ^[27] , Bhavaprakash ^[28] , Yogaratnakara ^[30]	Krushna, Ruksha, Sphutita,Teevra Vedana, Animitta Ruja, Jwara	Pe <mark>eta Sankasham,</mark> Daha, Jwara, Mridu Shotha	Snigdha Varna, Shweta, Pandu,Guru, Sthira			
Vagbhatta [2]	Paripotayuta, Krishnam, Animmitaja, Khara, Ruksha	Peeta Varna Twak, Daha, Jwara	Guru,Snigdha, Mamsa Ankurabruhata			

Upashaya and Pathya (Relieving Factors)

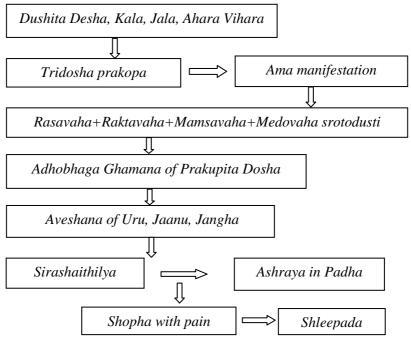
Langana (Fasting therapy), Alepanana (External application), Swedana (Fomentation), Rechana (Purgation therapy), Raktamokshana (Blood Letting), Kaphaghna Ushna Upchara [30] and Siraveda in Vataja shleepada 4 Angul above Gulfa Sandhi (Ankle Joint), Pittaja 4 Angul below Gulfa Sandhi, Kaphaja 4 Angul above Shipra Marma in foot relieves Shleepada. Paneeya Kshara (Alkaline preparation) is also indicated. [31] Intake of Shakhotak Valka Kwatha (decoction of Streblus asper) along with Gomutra relieves Shleepada. [32]

Wholesome Diet consists of Yava Anna (Barley), Sarshapa Taila (Mustard Oil), Kurma Mamsa (flesh of Tortoise). [33] Purana, Shashtika Shali (varieties of Rice), Yava, Kulatha (Macrotyloma uniflorum), Lashuna (Allium sativum), Patola (Trichosanthes dioica), Shobhanjan (Moringa oleifera), Karvellaka (Momordica charantia), Upodika (Basella rubra), Punarnava Mula (Boerhavia diffusa), Eranda Taila (Ricinus communis), Gomutra, Katu Tikta Rasa Pradhana Dravya, Deepaniya Padartha are mentioned as Pathya.[34]

Anupshaya and Apathya (Aggravating Factors)

Pishtanna, Dugdha Vikruti, Guda, Anupa Jeeva Mamsa, Madhura Amla Rasa Pradhana Padartha, Paariyaatra, Vindya, Sindhu Jala, Picchila Padartha, Guru Padartha and Abhishyandi Padartha are considered as unwholesome. [35]

Samprapti (Pathogenesis) [6, 19, 27, 36]



(Flowchart 1, Samprapti of Shleepada)

Samprapti mentions about the progression of disease. It plays a significant role in deciding the treatment protocol and management of disease.

Pradhana Samprapti: Kapha Pradhana Tridoshaja

Vidhi Samprapti: Nija , Doshaja, Yapya, Shastra Kriya Sadhya Vyadhi

Vikalpa Samprapti:Kapha (Drava Guna, Snigdha Guna, Sthira Guna), Vata (Ruksha Guna, Sukshma, Chala), Pitta (Ushna Guna, Drava Guna)

Samkhya Samprapti: Three Types, Seven types of Shleepada

Bala Samprapti: Roga Bala is more

Kala Samprapti: All age groups (not specified)

	Table 3 Samprapti Ghataka of Shleepada		
Dosha	Kapha Pradhana Tridosha [6]		
Dushya	Rasa, Rakta, Mamsa, Medas [19,37],Lasika		
Srotas	Rasavaha, Raktavaha, Mamsavaha, Medovaha		
Adhisthana	Twak [3],Vankshana,Uru, Jaanu, Jangha		
Srotodushti	Sanga,Vimargagamana		
Swabhava	Chirakari		
Agni	Jatharagnijanya Mandhya, Dhatvagnijanya Mandhya		
Ama	Jatharagnijanya Ama, Dhatvagnijanya Ama		
Udbhava Sthana	Amashaya		
Sanchara Sthana	Sarva Sharira		
Vyakta Sthana	Adhobhaga Shopha [36], Karna, Netra, Shishna, Oshtha and Nasa Gata Shopha [6]		
Rogamarga	Bahya [38]		
Sadhyasadhyata	If <i>Shleepada</i> persists for more than one year and it grows bigger in size resembling to that of an ant hill and exudates fluid it is <i>Asadhya</i> [6] If <i>Shleepada</i> manifests with bigger size and exudates, associated with itching is considered as <i>Asadhya</i> [8]		
Updrava	In Kapha Prakruti person, due to Kaphaja Ahaara Vihara if symptoms of Tridosha arises with Srava, Unnata and is associated with Kandu, then Vyadhi manifested is termed as Achikitsya [39]		
Arishta Lakshana	Not mentioned		

Dushita Jala Sevana, Kaphavardhaka Ahara Vihara aggravates the Kapha Dosha predominantly along with Tridosha. As Kapha Dosha is Ashrayee to Rasa Dhatu, it influences the Prakruta Karma of Rasa Dhatu. Due to Sneha Samana Guna of Kapha, Pitta also gets vitiated. Pitta Dosha is Ashrayee to Rakta Dhatu and thus does the Dusti of Rakta. Kapha is Ashrayee to Mamsa and does the vitiation of Mamsa Dhatu and Medo Dhatu. The Rasavaha Srotas, Raktavaha Srotas, Mamsavaha Srotas and Medovaha Srotas are thus involved and have its significance. Due to Sanga, the Prakruta Gati of Dosha is deranged followed by Vimarga Gamana. There occurs the Adhobhaga Gamana of Prakupita Dosha. It will affect the Twak (Rohini Layer) which is regarded as the seat of Shleepada^[3]. They take their Ashraya in Pada and gradually results in manifestation of Shopha. Due to Kapha Dosha involvement Shleepada is said to be Amashaya Samutha Vyadhi. In due course of time, Shopha will turn into hard like consistency and thus manifests as Shleepada (Flowchart1). As per Dosha involvement Shleepada manifests as Vataja, Pittaja and Kaphaja. Shleepada is said to be of bad prognosis if persists for more than one year and grows in size associated with severe itching [6,8] (Table 3)

CONCLUSION

Shleepada is Kapha Pradhana Tridoshaja Vyadhi which is caused by Dusta Jala Sevana and Mithya Ahara Vihara *Sevana.* It manifests as 'Shila Vat Shopham' which starts from groin and gradually extends to the feet. Shleepada does not manifest without the involvement of Kapha. Pathogenesis of *Shleepada* has been discussed in detail to develop an insight to arrest the progression of the disease and to plan the Chikitsa (Treatment) accordingly in order to promote the health and wellbeing of the population.

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