

A CRITICAL REVIEW ON HERBO-MINERAL FORMULATION - VIDANGA TAILA

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ABSTRACT

Ayurveda which is a system of natural medicine having branch of science that termed as Bhaishajya Kalpana which deals with processing of various medicament. Vidanga taila is one out of such herbo-mineral Ayurvedic medicament formulation of liquid dosage form mentioned in Bhaishajya Ratnavali. As per Ayurveda Krimi is of two types that first one is Bahya Krimi termed as Yuka & Liksha while second one is Raktaja, Kaphaja & Purishajya which are further classified as Keshada, Aantrada and Kakeru etc. Vidanga taila is one of the best remedy of external application origin that used therapeutically for Bahya Krimi which mainly act on Yuka, Liksha & other Krimi. Ingredients of Vidanga taila comprise Vidanga (*Embelia ribes* Burn), Gandhaka (Sulphur), Manahshila (Realgar), Katu taila (Mustard oil) and Drava Dravya Gomutra (Cow's urine). This formulation is designed by Sneha Kalpana that acquire adequate shelf life so, impart satisfactory field of clinical practices. This paper is an attempt to critically review the formulation "Vidanga taila" explained in Ayurvedic treatise along with other similar formulation mentioned in various literature of Ayurveda Pharmaceutics Science and also to explore its probable mode of action on Krimiroga.

KEYWORDS: Herbo-mineral formulation, Vidanga taila, Yuka, Liksha, Sneha Kalpana.

INTRODUCTION

Sneha Kalpana is the integration of two words Sneha and Kalpana where Sneha means any fatty preparations and Kalpana means the process by which a substance are converted into medicines by using required raw material as a directed by physician for a particular disease and disorder.^[1] Sneha Dravyas acquires properties like Guru, Sheet, Sara, Snigdha, Manda, Sukshma, Mrudu, & Dravya.^[2] In Ayurvedic treatise Sneha Kalpana is detailed as a pharmaceutical process of herbal drugs formulation to prepare oleaginous medicament's with the primary preparation like Kalka, Kwath or Drava-Drava, taken in specified proportion by subjecting the mixtures to a particular mentioned classical heating pattern up to specific given time duration until the chief desired character are appeared in accordance with Sneha Siddha Lakshana.^{[3],[4]} The formulation Vidanga taila mentioned in Bhaishajya Ratnavali-Krimirogaadhaya. This is indicated in Bahya Krimiroga.^[5] There are also some of the Ayurvedic formulation with similar names. The ingredients of this formulation Vidanga (*Embelia ribes* Burn), Gandhaka (Sulphur), Manahshila (Realgar), Katu taila (Mustard oil) are easily available and it's easy to prepare and is cost-effective in nature. These are

Ushna Veerya and Katu Vipaka hence, specifically acting on Bahya Krimi i.e. Yuka & Liksha. As per detail of medical science it is accessible regarding Krimiroga that it needs attentiveness during its treatment because it comprises wide range of local to systemic complication in the human body. Potent Vidanga taila can very effectively cure the diseases and disorder related to Krimiroga as compared to other Kriminasaka formulations. Also, Krimiroga which is challenging issue of medical science since involve child to adult age groups need its effective treatment as modern medication causes drug resistance and also the ill side effects to human beings so, presently there are huge demands of Ayurvedic formulation. Hence, Vidanga taila could be employed in day to day practice so, here an attempt made to critically review the formulation "Vidanga taila" and its similar formulation mentioned in literature of Ayurveda Pharmaceutics Science its explained in various literature of Ayurveda Pharmaceutics.

AIM

To review about classical herbo-mineral formulation Vidanga taila and its similar Ayurvedic formulation mentioned in various classical treatise of Ayurveda.

OBJECTIVES

1. To detail about the classical formulation Vidanga taila mentioned in Bhaishajya Ratnavali-Krimi-rogaadhaya.
2. To detail about the other similar classical formulation mentioned in literature of Ayurveda Pharmaceutics Science.

MATERIALS AND METHODS

Vidanga taila is prepared by taking ingredients in quantity as mentioned in table no.1 its method of preparation required powder of all the Kalka Dravyas which are made separately then Kalka is formed by the

Kalka Dravya Vidanga, Gandhaka & Manahshila then Murchhita Katu taila is taken in wide-mouth container and slightly heated over Mandagni till the disappearance of effervescence and sound coming from Murchhita Katu taila Kalka is added and Sneha Paka is carried for up to three days.^{[6],[7]} Gomutra is added on day one of the Sneha Paka and procedure should carry out on Mandagni. Taila Paka is done till the completion of Sneha Siddhi Lakshana. After obtaining Sneha Siddhi Lakshana, the container should take out of heat and Taila should filter through clean cloth in a clean container. The obtained Vidanga taila should store in a clean, sterile and dry vessel for therapeutic uses.

Table No. 1: Ingredients Used For Vidanga Taila.

Sr.no.	Contents	Botanical Name/Chemical Name/English Name	Part Used/Form Used	Quantity
1.	Vidanga	Embelia ribes Burn	Fruits	1 part
2.	Gandhaka	Sulphur(S)	ShuddhaSulphur	1 part
3.	Manahsila	Realgar(AS ₂ S ₂)	ShuddhaRealgar	1 part
4.	Murchhita Katu tail	Mustard oil	Seed oil	4 times - Kalka (Vidanga, Gandhaka & Manahsila)
5.	Gomutra	Cow 's urine	Fresh Gomutra	4 times - Murchhita Katu taila

Table no. 2: ayurvedic pharmacological properties of vidanga taila.

Sr. no.	Ingredient	Ayurvedic Pharmacological properties					Reference
		Rasa	Guna	Virya	Vipaka	Karma	
1.	Vidanga	Katu & Tikta	Ruksha	Ushna	Laghu	Kriminasaka	Rajanighantu ^[8]
2.	Gandhaka	Katu, Tikta & Kashaya	Sar & Pittajanaka	Ushna	Katu	Kriminasaka	Kaiyadevnighantu ^{[9],[10]}
3.	Manahshila	Katu	-	Ushna	Tikshna	Bhutnasaka (Kriminasaka)	Anandkanda ^[11]
4.	Katu taila	Katu	Tikshna	Ushna	Ushna	Kriminasaka	Rajanighantu ^[12]
5.	Gomutra	Katu	Laghu & Tikshna	Ushna	Ushna	Kriminasaka	Kaiyadevnighantu ^[13]

Table No. 3: Similar Formulation Regarding Vidanga Taila.

Sr. no.	Dosage form	Kalpana	Name of formulation	Ingredients	Indication	Route of administration	Reference
1.	Liquid dosage form	Sneha Kalpana	Vidangadi taila	Kwatha-Dravya: Vidanga, erandamula, Haridra, Patola, Triphala, Guduchi, Chamelipatra, Nirgundi, Dashmoola, Mushakarni, Neem, Patha, Sahachar, Sampaka, Karvira Kalka-Dravya: Madanphala, Bilva, Trivritta, Krishna, Rashana, Chirayata, Devdaru, Saptaparna, Vacha, Khasha, Daruharidra, Kutha, Indrayava, Manjistha, Haridra, Saufa, Chitraka, Kachur, Chorpusti, Pushkarmoola Drava-Dravya: Tila taila	Kustha, Krimi-roga, Prameha, Arsha, Grahadi. Napushaka, Grahadirvishamta, Malavikara, Tridoshanasaka	Auvasana vasti, Paan, Abhayanga	^[14] Charaka-Samhita-Siddhi-sthana

2.	Liquid dosage form	Sneha Kalpana	Vidangadi taila	Kalka-Dravya: Vidanga, Gandhaka, Shilajita Drava-Dravya: Gomutra, Katu taila	Shirogata-krimi-roga	Abhayanga	^[15] Chakradutta
3.	Liquid dosage form	Sneha Kalpana	Vidangadhya taila	Kalka-Dravya: Vidanga, Sajji, Dantimoola, Hingu Drava-Dravya: Gomutra, Katu taila	Shirogata-krimi-roga	Nashya	^[16] Yoga-ratnakara
4.	Liquid dosage form	Sneha Kalpana	Vidangadi taila	Kalka –Dravya: Vidanga, Maricha, Arka, Nagar, Chitraka, Devadaru, Alua, Panchalavana Drava-Dravya: Tila taila	Shlipadaroga	Paan and Abhayanga	^[17] Bhaishajya-Ratnavali
5.	Liquid dosage form	Sneha Kalpana	Vidanga taila	Kalka-Dravya: Vidanga, Gandhaka, Manahshila Drava-Dravya: Gomutra, Katu taila	Yuka & Liksha	Abhayanga	^[18] Bharat-bhaishajya-ratnakara
6.	Liquid dosage form	Sneha Kalpana	Vidangadhya taila	Kwatha &Kalka Dravya: Vidanga, Saindavalavana, Mulethi, Devadaru, Shunthi, Maricha, Pippali Drava-Dravya: Katu taila	Nasaroga	Nashya	^[18] Bharat-bhaishajya-ratnakara
7.	Liquid dosage form	Sneha Kalpana	Vidangadhya taila	Kalka-Dravya: Vidanga, Snuhikshira, Gunjaphala, Manjistha, Babachi, Murva Drava-Dravya: Gomutra, Katu taila	Shirogata-krimi-roga	Abhayanga	^[18] Bharat-bhaishajya-ratnakara
8.	Liquid dosage form	Sneha Kalpana	Vidangadi taila	Kalka-Dravya: Vidanga, Sajji, Dantimoola, Hinga Drava-Dravya: Gomutra, Katu taila	Shirogata-krimi-roga	Nashya	^[18] Bharat-bhaishajya-ratnakara
9.	Liquid dosage form	Sneha Kalpana	Vidangadi taila	Kalka –Dravya: Vidanga, Maricha, Arka, Nagar, Chitraka, Devadaru, Alua, Panchalavana Drava-Dravya: Tila taila	Shlipadaroga	Paan and Abhayanga	^[18] Bharat-bhaishajya-ratnakara



Fig.no.1.1.Vidanga (Embelia Ribes Burn)



Fig.no.1. 2. Shuddha Gandhaka (Pure Sulphur)



Fig no.1.3: Murchhita Katu Taila



Fig.no.1.4: Shuddha Manahsila(Pure Realgar)



Fig.no. 1.5: Gomutra(Fresh Cow Urine)

Figure No. 1: Drugs Used In The Preparation Of Vidanga Taila.



Fig.no.2.1: Murchhita Katu taila



Fig.no.2.2: Heated Murchhita Katu taila



Fig.no.2.3 : Addition of Kalka Dravyas



Fig.no.2.4 Addition of Gomutra



Fig.no.2.5 : Prepared Vidanga taila

Figures No. 2: Pharmaceutical Preparation of VidangaTaila.

DISCUSSION

In Ayurvedic treatise there are description of various Kriminasaka formulation to cure and mitigate the disease and disorder related to Krimiropa. Vidanga taila is one of the mentioned Ayurvedic formulation that showed promising effective action against Krimiropa. There are also so many formulation which are very similar to Vidanga taila given in other classical texts of Ayurveda to resolve the challenging action of Krimiropa. Pharmacological properties of Vidanga taila reveals strongly about its Kriminasaka properties. In present scenario of emergence of drug resistance and ill side effects associated with modern medicaments reflects about the needs of Ayurvedic medicaments to rectify the issue of Krimiropa. Hence, it became more important to critically review and does research works on Vidanga taila and its similar formulations.

CONCLUSION

Vidanga taila is mentioned in Bhaishajya Ratnavali-Krimiropaadhaya indicated for Krimiropa. Vidanga taila is designed in liquid dosage form and are prepared by Sneha Kalpana. As per review of literature there are also similar formulation regarding Vidanga taila named as Vidangadi taila, Vidangadhya taila and Vidanga taila having different ingredients as compared to Vidanga taila. Vidanga taila is mentioned in Bhaishajya

Ratnavali-Krimiropaadhaya which are given by different route of administration like Paan, Abhayang, Nashaya & Vasti and are indicated for Krimiropa. Thus, Vidanga taila which pharmacologically possesses strong Kriminasaka properties is one of the best remedy available in liquid dosage form for treatment of Krimiropa.

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