



Nagadantyadi Ghrita In Keeta Visha - A Review

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Background: Insect bites or stings are very common especially in the rural parts of India. Management of Keeta Visha has been explained in all the Ayurveda classics. Nagadantyadi Ghrita is a formulation indicated in various poisonous conditions by Acharya Charaka.

Aim: This study aimed at evaluating the pharmacological properties of Nagadantyai Ghrita and its effect on Keeta Visha.

Materials and Methods: This literature study was done by referring various Samhita's, articles and online sources.

Observations and Results: There are 8 ingredients in Nagadantyadi Ghrita and among them all most all ingredients show Vedanasthapana, Vishagna and Shothahara properties.

Conclusion: Oral intake of Nagadantyadi Ghrita can manage the symptoms of Keeta Visha like pain, swelling, itching and burning sensation.

Keywords: Visha, Keeta Visha, Nagadantyadi Ghrita

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Introduction

Agada Tantra, one of the *Ashta Angas* of *Ayurveda* is the branch that deals with various types of poisonings, their symptoms and management. *Visha* generally classified into 2 types based on their source - *Sthavara* (Plant origin) and *Jangama*[1] (Animal origin). Among *Jangama Visha*, *Keeta Visha*[2] holds a pivotal role.

This can be due to the wide species variety among them, geographical distribution and specialities, more incidents of insect bites or stings throughout the word especially in the rural parts. Common symptoms of insect bites are *Daha*, *Ruja*, *Sopha* and *Kandu*. [3] However, the symptoms vary based on the type of insects and they can range from mild to severe manifestations upon the body. Management of *Visha* in general and *Keeta Visha* in specific can be found in the all the classical texts of *Ayurveda* as well as many traditional and regional books like *Prayoga Samuchayam*[4], *Kriya Koumudi*[5] and many more.

Aim and Objectives

This article is an attempt to study a formulation - *Nagadantyadi Ghrita* in *Keeta Visha*, a literary review.

Review of Literature

Arthropods make up the largest division in animal kingdom, comprising approximately 84% of all animals. [6] Among them, the insects which forms a major category has significant impact upon the ecosystem and humans in specific.

Ayurveda describes bites or stings of insects as *Keeta Visha*. Almost all the *Samhita's* has explained in details regarding the *Utpatti*, *Guna*, *Vega*, *Vega Lakshana*, and *Chikitsa* of *Keeta Visha*. Some of the references of *Keeta Visha* are the following books:

1. *Charaka Samhita*, *Chikitsa Sthana* Chapter 8
2. *Susruta Samhita*, *Kalpasthanam*, Chapter 8
3. *Ashtanga Hrudaya*, *Uttarasthanam*, Chapter 37 & 43
4. *Prayoga Samuchaya*, *Saptama Paricheda*
5. *Kriya Koumudi*, *Keeta Visha Prakaranam*

Nagadantyadi Ghrita is a polyherbal formulation mentioned in *Visharoga Chikitsa Adhyaya* of *Charaka Samhita*.

Acharya Charaka has detailed this *Yoga* in the context of *Gara Visha Chikitsa*. This *Yoga* is useful in the management of *Sarpa Visha*, *Keeta Visha* and *Gara Visha*.

Ingredients

Nagadantyadi Ghrita contains 8 ingredients. The ingredients are in table 1.

Table 1: Ingredients of Nagadantyadi Ghrita

Name	Botanical Name	Family
Nagadanti	<i>Crotun oblongifolius</i>	Euphorbiaceae
Trivrit	<i>Operculina turpethum</i>	Convolvulaceae
Danti	<i>Baliospermum montanum</i>	Euphorbiaceae
Dravanti	<i>Croton tiglium</i>	Euphorbiaceae
Snuhi	<i>Euphorbia nerifolia</i>	Euphorbiaceae
Madanaphala	<i>Randia dumetorum</i>	Rubiaceae
Gomutra	Cow's urine	
Mahisha Sarpi	Clarified butter of buffalo milk	

Method Of Preparation

Nagadantyadi Ghrita is prepared based on the *Ghrita Murchana Vidhi*[7] mentioned in the classics. One *Aadhaka* (3.072 KG) of *Gomutra*, all other ingredients in equal quantity are taken and processed in *Murchita Mahisha Ghrita*.

Mahish Ghrita is boiled first and into that required *Kalka Dravya* and *Gomutra* are added. It is then boiled until attaining the *Ghrita Paka Lakshanas*.

Mode of Administration

Internal / Oral

Dose

Reference regarding the dosage of *Nagadantyadi Ghrita* is not available in the literature. Hence, dosage can be fixed after assessing the condition of the patient and as per *Vaidyayukti*.

Probable Action of Nagadantyadi Ghrita

Acharya Charaka has explained *Sarpakeeta Visharthanam Gararthanam Cha Shanthaye*[8] i.e.; it is an effective remedy in poisoning from snake bites, insect bites and even in *Gara Visha*.

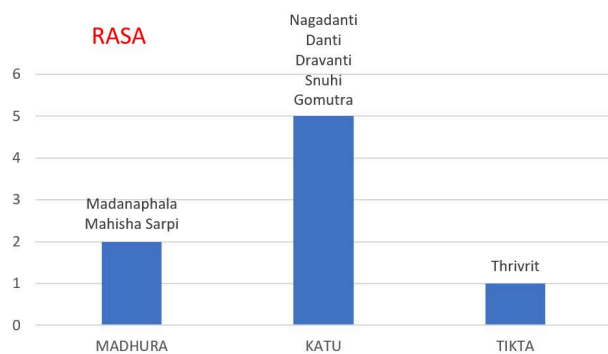
These effects can be validated by the study of properties and *Rasa Panchaka* of individual ingredients in the formulation. Properties of individual ingredients are in table 2.

Table 2: Rasa Panchaka of individual ingredients of Nagadantyadi Ghrita

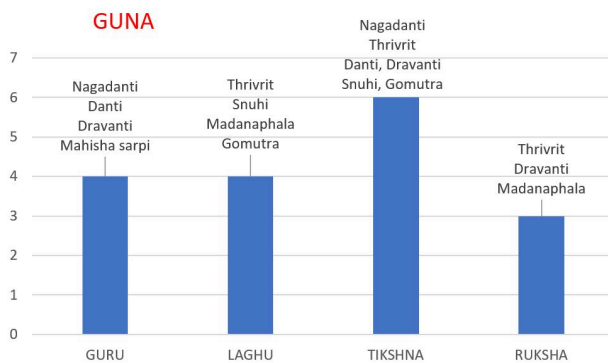
Drug	Rasa	Guna	Virya	Vipaka	Karma
Nagadanti[9]	Katu	Guru, Tikshna	Ushna	Katu	Kapha Vata Shamaka, Vishahara, Shoolahara
Thrivrit[10]	Tikta, Katu	Laghu, Ruksha, Tikshna	Ushna	Katu	Kaphapitta Samshodhana, Shothahara, Jwaragna
Danti[11]	Katu	Guru, Tikshna	Ushna	Katu	Kaphapitta Shamaka, Vedanasthapana, Shothahara, Vishagna
Dravanti[12]	Katu	Guru, Ruksha, Tikshna	Ushna	Katu	Kaphapittahara, Shothahara, Vishagna
Snuhi[13]	Katu	Laghu, Tikshna	Ushna	Katu	Kaphavatahara, Vedanasthapana, Shothahara, Vishagna
Madanaphala[14]	Madhura, Tikta	Laghu, Ruksha	Ushna	Katu	Kaphavatashamaka, Shothahara, Vishagna, Vrananthaka
Mahisha Sarpi[15]	Madhura	Guru	Sheeta	Madhura	Pitta Vata Hara, Kaphakara, Vrushyam
Gomutra[16]	Katu, Tikta, Kashaya	Tikshna, Laghu, Kshara	Ushna	Katu	Kaphavata Hara, Shoolahara, Kandugna, Deepana

Discussion

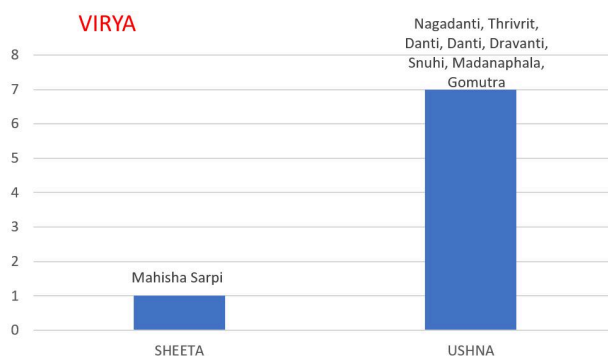
We can summarize the properties of ingredients in *Nagadantyadi Ghrita* in the form of graphical representations given below.



Graph 1: Mode of Action of Nagadantyadi Ghrita based on Rasa

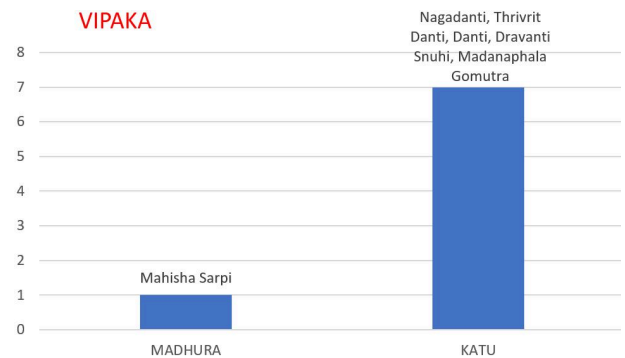


Graph 2: Mode of Action of Nagadantyadi Ghrita based on Guna



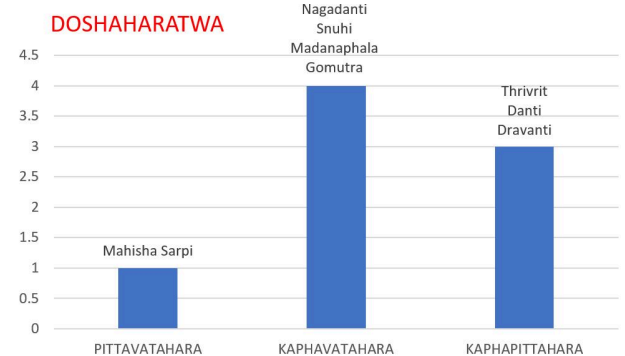
Graph 3: Mode of Action of Nagadantyadi Ghrita based on Virya

VIPAKA



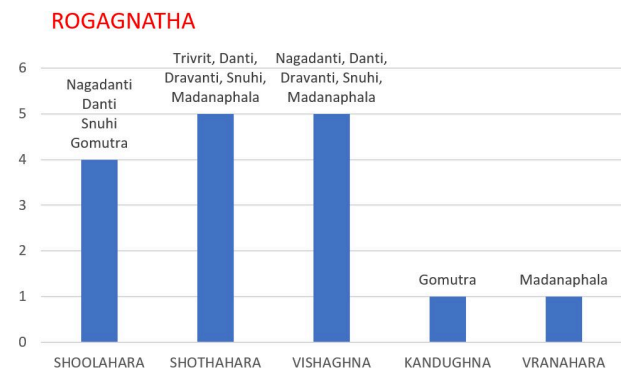
Graph 4: Mode of Action of Nagadantyadi Ghrita based on Vipaka

DOSHABHATWA



Graph 5: Doshabhatwa of ingredients of Nagadantyadi Ghrita

ROGAGNATHA



Graph 6: Rogagnatha of ingredients of Nagadantyadi Ghrita

Conclusion

Nagadantyadi Ghrita is one of the *Vishaghna yoga* mentioned in the *Charaka Samhita*.

From the study of *Rasapanchaka* and *Doshagnatha* properties of ingredients in *Nagadantyadi Ghrita*, we can understand that most of the drugs are *Katu Rasa Pradhana*, *Tikshna* and *Ruksha* in *Guna*. Out of all 8 ingredients, except *Mahisha Sarpi* all are *Ushna Virya Dravyas* and are having *Katu Vipaka*. *Nagadanti*, *Danti*, *Snuhi* and *Gomutra* shows *Shoolahara* properties. *Thrivrit*, *Danti*, *Dravanti*, *Snuhi* and *Madanaphala* has *Shothahara* property. Meanwhile *Nagadanti*, *Danti*, *Dravanti*, *Snuhi* and *Madanaphala* shows *Vishaghna* action. *Kandughna Guna* is shown by *Gomutra* whereas *Madanaphala* has *Vranahara* properties. *Daha*, *Ruja*, *Sopha* and *Kandu* are the primary symptoms of *Keetavisha*. Hence internal administration of *Nagadantyadi Ghrita* is effective in the management of Symptoms of *Keeta Visha*.

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