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A compiled review on the concept of Keeta Visha and its Chikitsa

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ABSTRACT

Ayurveda is an ancient Indian system of medicine having eight important branches. Agadatantra is one amongst the eight-fold branches of Ayurveda that deals with identification, prevention, diagnosis and treatment of various manifestations caused by Sthavara Visha, Jangama Visha, Krithrima Visha and Khanija Visha. Acharya's Charaka, Susrutha, Vagbhata, Madhavakara, Bhavamishra, other classics and regional texts have recited concerning the origin of Visha, Sthavara Visha (Vatasanbha, Kupeelu, Ahiphena etc.) Jangama Visha (Sarpa, Vruschika, Keeta, Loota, Alaraka etc.) and Krithrima Visha (Gara Visha and Dushi Visha). Acharya's have described Keeta Visha under Jangama Visha and classified under four groups and elucidated 67 different types of Keeta. These are the largest groups of arthropods, which constitute 80% of all living animals, only 3% of the insect species are harmful to humans. Keeta Visha causes local symptoms to severe systemic manifestations like Shopha, Granthi, Visrapa, Karnika, Kitibha in the human beings, even death. Depending on its variety, diagnosis and treatment of Keeta Visha is found to be very difficult because these varieties are not yet properly identified and besides, regional variations of these Keetas expresses very differently. Here an attempt is made to collect signs and symptoms of Keeta Visha and their treatment modalities mentioned in different classical texts.

Key words: Agadatantra, Jangama Visha, Keeta Visha

INTRODUCTION

Acharya's have included Keeta under Jangama Visha. According to Acharya Charaka, insects are also called Keeta. They are originated from the waste products like stool and urine of the snakes.[1] According to

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Vachaspatya, it is defined that 'Krimibhyah Sthoole Kshudra Jantu Bhede' i.e., Keeta is a variety of Krimi with macroscopic body. Krimis are animate things, which use their individual legs independently for movements. According to Acharya Susrutha, Keeta are born from semen, excreta, urine, foul smelling, eggs of snakes. [2] According to definitions, these may or may not be seen with naked eye. Therefore, they can even be interpreted as insects, worms and even microbes. The term Keeta refer to all living creatures which are small in size but visible, having two or more legs, with or without wings, some living in soil, some moving in air, some in crevices of buildings, roofs, walls etc, some on trees, possessing different shapes, colour, some crawl, some fly, some sting some scratch the skin with their claw, and some urinate on the body of man and thus inflict assaults in many other ways. [3] Acharya's have explained different types Keeta like Mashaka,

Makshika, Pipilika, etc. bite, different signs and symptoms such as Srava, Visarapa, Sula, Karnika etc. and different types of treatment modalities for specific Keeta.

MATERIALS AND METHODS

The principal source is collected from different classics and various published articles in different journals.

- Charaka Samhitha, Chikista Sthana, 23rd Chapter
- Susrutha Samhitha, Kalpa Sthana, 8th chapter
- Astanga Hridaya, Uttarasthana, 37th chapter
- Astanaga Sangraha, Uttaratantra, 37th chapter
- Madhavanidana, 69th Chapter
- Bhavaprakasha, 67th Chapter
- Cakradatta, 67th chapter
- Yogaratnakara, 73rd chapter
- Bhaisajya Ratnavali, 72nd chapter

According to Acharya Charaka^[4]

Keetas are mainly divided into 2 types: 1. Dushivisha Keeta 2. Pranahara Keeta

The *Dushivisha Keeta* category cause red, black or brownish black coloration of bitten site covered with pimples, patient suffers from itching, burning sensation, thirst, anorexia, erysipelas, suppuration and sloughing.

The *Pranahara Keeta* category produces oedema, with strong smell and bleeding. Patient suffers from heaviness of eyes, fainting, pain and dyspnoea.

Table 1: Different types of *Keetas* according *Acharya Charaka*^[5]

SN	Types	Signs and Symptoms
1.	Krkalasaka	Shyava, Krishna or Nanavarna, Moha and Purishabedha.
2.	Manduka	Ekadramstaardita, Shoona, Ruk, Peethaka, Trit, Chardi and Nidra.
3.	Jalouka	Kandu, Shotha, Jwara and Moorcha.

4.	Grhagodika	Daha, Thoda, Sweda and Shotha.
5.	Shatapaadhi	Sweda, Ruja and Daha.
6.	Mashaka	Kandu, Shotha and Vedana.
7.	Makshika	Shyavaprasrava, Daha, Moorcha, Jwara and Pidaka.
8.	Kanabha	Visarpa, Shwayathu, Shoola, Jwara and Chardi.

According to Acharya Susrutha^[6]

They possess features of *Vayu, Agni, Apya* and many kinds.

- 1. Vayavya Keeta 18 types, causes aggravation of Vata in the body and causes diseases of Vata aggravation.
- Agneya Keeta 24 types, causes aggravation of Pitta in the body and causes diseases of Pitta aggravation.
- Apya Keeta 13 types, causes aggravation of Kapha in the body and causes diseases of Kapha aggravation.
- Sannipata Keeta 12 types, causes aggravation of Tridoshas, the site of bite resembles site of burning by caustic alkali and fire; red, yellow, white and or light red in colour.

Table 2: Different Types of *Keeta* according to *Acharya Susrutha*^[7]

SN	Types	Signs and symptoms
1.	Kanabha	Thivravedana, Shwayathu, Angamarda, Gatra Guruthva with Krishnathva
2.	Godheraka	Shopha, Daha, Ruja, Granthi and Jwara.
3.	Galagolika	Sarshapikavarja, Daha, Shopha, Kleda, Hridayapeeda and Atisara.
4.	Shatapadi	Shopha, Vedana, Hridayadaha, Moorcha and Swethapeedaka.
5.	Ahinduka	Peethanga, Jwara, Atisara, Kandu and Kota.

6.	Pipilika	Shwayathu, Agnisparshavath, Daha and Shopha.
7.	Makshika	Shyava Pidaka, Jwara, Kandu and Shopha.
8.	Mashaka	Kandu and Daha.
9.	Jalouka	Shwayathu, Kandu, Moorcha, Jwara, Daha, Chardi and Sadana.
10.	Parvatiyake eta	Pidaka and Dahapaka.

According to Asthanga Hridaya^[8]

Keetas are from putrefied urine, faeces, semen, egg and cadaver of snakes only and are four types, viz., Vaayavya, Agneya, Apya and Sannipatika.

Table 3: Classification according to *Asthanga Hridaya*^[9]

SN	Types	Signs and symptoms
1.	Vata	Hridpeeda, Urdwaanila, Stambha, Siraayama, Asthi-Parvaruk, Doornanothveshtanam and Gatrashyavata.
2.	Pitta	Sanjnanaasha, Ushnanishvasa, Hriddaha, Katukasyatha, Mamsavadharana, Shopha with Rakta-peethavarna
3.	Kapha	Chardi, Arochaka, Hrillasa, Praseka, Uthklesha, Peenasa, Shaithya, and Madhurasyatha,

According to Madhvanidana[10]

Table 4: Different types according Madhavanidana

SN	Types	Signs and Symptoms
1.	<i>Kakala Dasta</i> (lizard bite)	Bite area becomes blackish, bluish or multi-coloured, <i>Moha</i> and <i>Varchabeda</i>
2.	Kanabha Dasta	Visarapa, Swaythu, Sula, Jwara and Chardi
3.	Uccitinga Dasta	Horrpilation, Sthadha Linga, Sula, the patient feels as if his body is drenched with cold water

4.	Mandhuka Dasta(frog-bite)	Paka, Sula, yellowish discolouration, Trishna, Chardi, Atinidra
5.	Matsya <i>Dasta</i> (fish bite)	Daha, Paka, Ruja
6.	<i>Jaluoka</i> (leech bite)	Kandu, Paka, Jwara and Murccha
7.	Grhagodhika (lizard)	Paka, Toda, Sweda
8.	Satapadi Dasta	Sweda, Ruja, and Daha
9.	Mashaka Dasta	Kandu, Paka, Ruja Asadhya Makshika causes Fatal
10.	Makshika Dasta	Pidhaka black in colour, Daha, Murccha, Jwara

According to Bhavamishra[11]

Table 5: Different types according to Bhavaprakasha

SN	Types of <i>Keeta</i>	Lakshana
1.	Krkalasa Visha	Shotha, blackish discoloration, Moha, Varchabeda
2.	Kanabha Visha (Poison of wasp)	Visarpa, Swaythu, Ruja, Jwara, Chardi,
3.	Uccitinga Visha (Poison of Shrimp)	Sthadha Linga, Ruja feels as though immersed in cold water
4.	Mandhuka Visha (Poison of frog)	Shopha, Ruja, yellow discolouration, Trishna, Chardi, Nidra
5.	Matsya Visha	Daha, Shotha and Ruja
6.	Jaluoka Visha	Kandu, Shotha, Jwara and Murccha
7.	Grhagodhika Visha	Daha, Shotha, Thodha and Prasedha
8.	Satapadi Visha	Sweda, Ruja, Daha,
9.	Mashaka Visha	Kandu, Shotha and Ruja
10.	Makshika visha	Srava Pidhaka, Blackish discolouration, Daha and Murccha

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General treatment for Keeta Visha

According to *Dosha* predominance^[12]

- The Dosha what so ever present, based on symptoms should be assessed and treatment done for it with drugs possessing opposite qualities.
- Vata aggravation Application of Khanda (paste of sesame) over the wound, massage with sesame oil, Nadi, Pulaka types of fomentation therapies and nourishing diet.
- Pitta aggravation Affusion which is very cold, which is Stambhana and application of cold ointments.
- Kapha aggravation Lekhana, Chedana, Swedana and Vamana Karma.
- For the three kinds of insects (Vata, Pitta-Kapha Pradhana) three kinds of treatments are suitable -Swedana, Lepana, Seka which should be done in warm, expect when the person has lost the consciousness, when there is ulceration by bite or putrefaction at the bite.
- Bite by insects of powerful poison should be treated similar to bite of snakes of the *Darvikara*, *Rajimantha*, *Mandalini* and treatment also being same of three kinds.

Specific treatment for different *Keeta Visha* according to different classics

According to Acharya Charaka^[13]

- Application of paste of the bark of Ksiri-Vrksas (Nyagrodha, Udubara, Asvatta, Vetasa and Plaksha) after Shodhana (administration of five elimination therapies) cures Keeta Visha.
- 2. Application of paste of *Muktha* (pearls) by triturating with water is best to cure swelling, pricking pain, burning sensation and fever.
- 3. Flower of *Kusumba, Go-danta* (tooth of cow), *Svarnakisri*, stool of *Kapota, Danti, Trivrt* and *Saindhava* cure *Karnika* (granulomatous growth) in the wound caused by *Keeta Visha*.
- 4. The decoction, paste and powder of *Katabhi*, *Arjuna*, bark of *Sirisa*, *Selu*, and the barks of *Ksiri*-

- Vrksas (Nyagrodha, Udumbara, Asvatta, Vetasa and Plaksha) cures ulcers caused by Keeta Visha.
- 5. Paramo-Gada Vacha, bark of Vamsa, Patha, Nata, inflorescence of Surasa, Bala, Maha-bala, Nakuli, Kusta, Sirisa, Haridra, Daruharidra, Guha, Atiguha, Sweta, Ajagandha, Silajatu, Kattrna, Katabhi, Ksara, Grha-dhuma and Manashila should be made triturating with the bile of Rohita. This is called 'Paramo'-'gada'. Administration of this recipe in the form of Nasya, Anjana, and Lepa is useful in the poisonous bites of insects like Visyambharas.
- 6. Satapadi Dmasha Use of Svarjika, Ksara of the goat's droppings, Surasa and Aksi- Pidaka triturated with the supernatant part of Madira (a type of alcohol) is useful in Satapadi.
- 7. Grhagodhika Dmasha The recipe comprising Kapittha, Aksi-Pida, seeds of Arka, Sunthi, Pippali, Maricha, Karanja, Lata-karanja, Haridra and Daruharidra cures the poison of house-lizard.
- 8. *Pancha-Sirisa-Agada* Fruits, roots, barks, flowers and leaves of *Sirisa* all taken in equal quantities should be added with ghee. It is most effective remedy for all types poison.

According to Acharya Susrutha^[14]

- Utakarika made of Sirisa, Katuka, Kusta, Vaca, and Haridra. Saindhava, milk, marrow, muscle-fat, ghee, Sunthi, Pippali and Devadaru drugs is useful for fomentation.
- Trikantaka Damsha Kustha, Tagara, Vaca, Patha, Bilva root, Suvarchika, Grha-dhuma, Haridra and Daruharidra.
- Galagolika Damsha Haridra, Grha-dhuma, Tagara, Kustha and Palasha seeds
- 4. Satapadi Damsha Kukuma, Tagara, Sigru, Padamka, Haridra and Daru-haridra.
- 5. Mandhuka Dmasha Mesashrungi, Vaca, Patha, Nicula, Rohini, and Jala all together are antidote.
- 6. Visvamabhara Dhava, Asvagandha, Atibala, Bala, Salaparni and Prsniparni.

- 7. Ahindhuka Sirisa, Tagara, Kustha, Salaparni, Mudghaparni, Haridra and Daru-haridra.
- Kandumuka Cooling measures are employed in night as they do not succeed in day because in day because of the poison being potentiated by power of sun rays.
- 9. Sukavrnta 1.Tagara, Kustha and Apamarga, 2. Krishanvalmikamurthika (black earth ant-hill) pounded with Brngaraja Swarasa.
- 10. Pipilika-Mashaka-Makshika Krishanvalmikamurthika (black earth ant-hill) with Go-mutra.

According to Acharya Astanga Hridaya^[15]

- 1. Equal quantities of *Tanduliyaka and Trivrt* should be consumed mixed with ghee; such a person does not get shaken by the poison of insects just as the mountain *Kailasa* by the wind.
- 2. Application of paste of *Ksiri-Vrksas* after the person has undergone purificatory therapies destroys the poison of insects.
- 3. Applications of paste of *Muktha* (pearls) are best to cure swelling, pricking pain, burning and fever.
- Dasanga Agada Vacha, Hingu, Vidanga, Saindhava, Gajapippali, Patha, Prathivisha and Vyosha (are made into nice paste and rolled into pills) this Dasanga Agada formulated by Kashyapa cures of all kinds of insects.

According to Cakradatta^[16]

- Katabhyadi Kasya-Kalka-Curna Administration of the decoction or paste prepared from Katabhi Twak, Arjuna Twak, Sariyaka Twak, Slesmataka Twak and Pancha Ksrir Vriks Twak destroy poisoning by Keeta.
- 2. *Mina Visha* Fumigation with leaves of *Ankotha* and bloodletting by the application of *Shrngi*.
- 3. Godha and Varati Visha Application of the paste of Kudakarani Mula alleviate the poisonous effect.
- 4. Mandhuka Vishara Yogas 1. The paste of Sirisa Bija lavigate with Snuhi Ksira should be applied

- locally to cure. 2. Administration of *Curna* prepared from *Ankotha Mula* and *Kusta* for three days.
- Marichadi Lepa The paste of Maricha, Sunthi, Balaka and Nagakesara should be applied locally in the poison due to Makshika.
- Patolamuladi Lepa Local application of paste Patola Mulaand Nilika is effacious in poisoning by saliva
- Dasanga Agada Vacha, Hingu, Vidanga, Saindhava, Gajapippali, Patha, Prathivisha, Sunthi, Pippali and Maricha all in equal quantity. Dose -3gms, Anupana - Honey and ghee. Indications - all types of Keeta Visha.
- 8. Jalauka Visha All the treatment measures of Keeta Visha should be adopted.

According to Yogarathankara^[17]

- Paste, decoction or powder of the barks of *Katabhi*, *Arjuna*, *Sirisa*, *Selu* and latex-allays the poisoning of insects like spider etc.
- Dasanga Agada Vaca, Hingu, Vidanga, Saindhava, Gajapippal, Patha, Prathivisha and Vyosha, poisoning of all the insect bites are overcome
- 3. Varati Visha (wasp-sting) application of the paste of Maricha, Nagara, Saindhava and Saurvarcha-Bhavana with Phanivalli.
- 4. *Mandhuka-Visha* (frog-bite) Applying the paste of *Sirisa Bhavana* with *Kulisadruma Ksira*.
- 5. *Bhrngi* fish -1. Decoction of *Krisnavetra* added with *Grihta*, 2. *Dhumpana* with tail of peacock.
- Centipede bite- 1. Application of the oil of burning lamp (trickled oil), 2. Paste of the two *Haridras* or *Gairika*.
- Black-bee-bite Application of the paste of Nagara, faeces of a pet pigeon, the juice of Bijpura, Haratala and Saindhava nullifies the poisoning of black-bee-sting.
- 8. *Makshika Pitika* Application of the paste of *Somavalka, Asvakarna, Gojihva, Hamsapadi* the two *Rajani's* and *Gairika*.

According to *Shri Govinda Dasaji in Bhaisajya* Ratnavali^[18]

- 1. Decoction of plant *Ankotha* and re-cook it with *Ghritam* internally or *Abhyanga* with this oil cures the bite of insect poison.
- Decoction prepared by Katabhi, Sirisa, barks of Arjuna and Selu as well as plants exuding latex should be taken internally and should be used to coat the bitten spot.
- 3. Application of *Kalka* prepared *Katabhi, Sirisa*, barks of *Arjuna* and *Selu* over the bite site.
- 4. *Churna* prepared *by Katabhi, Sirisa*, barks of *Arjuna* and *Selu* is sprinkled over the bitten part.
- 5. Goha and Girgit Dasta Kukum, Manashila, meat of crab, Haritala and powder of Kusum flower, prepare small pills by giving Bhavana with water. Rotate these pills around the spot bitten.
- 6. Matsya Dasta Dhumpana with leaves of Angkotha.
- 7. Godha and Varati Dasta Kalka prepared by Kusthakrani (a famous drug of Vanga Desi).
- 8. Mandhuka Dasta 1. Applying a Kalka prepared by compounding Sirisa seeds and Snuhi Ksheera. 2. Drinking the Kalka prepared of Kutaja (root) and Angkotha (root) for three days.
- Makshika Dasta Applying Kalka prepared of black pepper, Mahaosudha, Sugandhabala and Nagakesara.
- 10. *Lala Visha* Applying the *Kalka* of *Parava* and neem root.
- 11. Dasanga Agada Vacha, Hingu, Vidanga, Saindhava, Gajapippali, Patha, Prathivisha, Sunthi, Pippali and Maricha all in equal quantity. Dose 2-4gms Anupana Water. Indications This mixture is capable of checking poisoning caused by all types of insects.

DISCUSSION

By the above discussion, *Acharya's* have described four groups of *Keeta* and elucidated in 67 different types. *Godha, Makshika, Mashaka, Pipilika* etc. are included

under *Keeta*. Every Keeta Visha causes local manifestations to more severe manifestations in human beings. Each Keeta exhibits specific signs and symptoms. These helps for us to diagnose and their management for each specific Keeta. In general Keeta Visha can be treated based on the Dosha predominance for three kinds of Keeta - Vata, Pitta, Kapha Pradhana - three kinds of treatment Swedana, Lepana and Seka respectively should be done. Many local applications have been explained such as Ksheer Vriksha Kalka, Muktha Kalka, Marichadi Lepa, Patolamuladi Lepa which helps to cure local symptoms like Srava, Daha, Kandu, Shotha etc., Dhupana and Raktha Moskahna with Shrnai for Matsya Damasha. Internally many decoctions have been explained which counteracts the poison effect of Keeta, like equal quantities Tanduliyaka with Trivrit mixed with ghee for all types Keeta. Some formulations like Parmo Agada, Dasanga Agada have been mentioned by Acharya's specifically for Keeta Visha which can be used as Nasya, Anjana, Lepa which cures all types of poison effect caused by the Keeta. Hence, we can follow different treatment modalities for Keeta Visha as said in the classical text books.

CONCLUSION

Hence the *Keeta* observation by the *Acharya's* helps us to know the importance of each *Keeta* nomenclature, the names, identification should be known because each *Keeta* exhibit different signs and symptoms from local to severe manifestations, which helps for diagnose according *Dosha* predominance in various *Keetas* and their treatment according to *Dosha* and symptoms, which helps us to alleviate the poison from the body. Through this article we tried to compile the knowledge about *Keeta Visha* from various classical textbooks.

REFERENCES

- Acharya Trikamji V.J, (ed), Charaka Samhitha of Charaka, Chikitsa Sthana; Vishachikitsadhaya: Chapter 23, verse -140: Chaukhambha Publications, New Delhi;2020; p-577
- Acharya Trikamji V. J, (1sted.). Susrutha Samhitha of Susrutha, Kalpa Sthana; Kita Kalpa: Chapter 8, verse -3: Varanasi: Chaukhambha Orientalia.2021

- Acharya Vriddha Vagbhata -Astanga Samgraha By Kaviraja Atrideva Gupta Published By Chaukhambha Prakashan Varanasi Reprint 2016, Pg-363.
- Dash Bhagwan. Editor. Transcendence English commentary on Charaka Samhitha, (ed). Volume 4, Chikitsa Sthana; Vishachikitsadhaya: Chapter 23, verse-141-143.Varanasi: Chowkhamba Sanskrit Series, Varanasi; 2009.p-360.
- Dash Bhagwan. editor. Transcendence English commentary on Charaka Samhitha, (ed). Volume 4,: Chikitsa Sthana; Vishachikitsadhaya: Chapter 23, verse-149-158. Varanasi: Chowkhamba Sanskrit Series, Varanasi; 2009.p-362-365.
- Murthy Srikantha. K. R. editor. Transcendence English commentary on Susrutha Samhitha, (ed). Volume 2, Kita Kalpa: Chapter 8: verse-5-18: Chaukhambha Orientalia, Varanasi. 2012.p-478-480.
- Murthy Srikantha. K. R. editor. Transcendence English commentary on Susrutha Samhitha, (ed). Volume 2, Kita Kalpa: Chapter 8: verse-26-37: Chaukhambha Orientalia, Varanasi.2012.p-4481-484.
- Murthy Srikantha K.R. editor. Transcendence English commentary on Astanga hridya, 5th ed. Volume 3, Uttarasthana: Kitalutadivisha Pratisedha: Chapter 37, verse-1. Varanasi: Chowkhamba Krishnadas Academy. 2009.358.
- Murthy Srikantha. K. R. editor. Transcendence English commentary on Astangahridya,5th ed. Volume 3, Uttarasthana: Kitaluthadi Visha Pratishedha: Chapter 37, verse-2-5. Varanasi: Chowkhamba Krishnadas Academy.2009.358.
- Murthy Chandra Himasagara. P. Transcendence English commentary on Madhavanidanam,1st ed. Volume 2, Vishroga Nidana: Chapter 69, verse-49-55. Chowkhamba Sanskrit Series, Varanasi;2009, p-357-359.
- Sitaram Bulusu. Transcendence English commentary on Bhava Prakasha:1st ed. Volume 2nd, Madhaymakhanda, part 4, section 2nd: Visadhikara: Chapter 67, verse-69-73. Chaukhambha Orientalia, Varanasi. 2010, p-682-683.

- 12. Bhat K.S. A Textbook of Agadatantra. 1sted. Jangama Visha, KeetaVisha. Varanasi. Chaukamba orientalia.2018,p-246-247.
- Dash Bhagwan. editor. Transcendence English commentary on Charaka Samhitha, (ed). Volume 4th: Chikitsa Sthana; Vishachikitsadhaya: Chapter 23, verse-199,203,204,212-218. Varanasi: Chowkhamba Sanskrit Series, Varanasi; 2009.p-373-377.
- Murthy Srikantha. K.R. editor. Transcendence English commentary on Susrutha Samhitha, (ed). Volume 2nd, Kita Kalpa: Chapter 8: verse-45-55: Chaukhambha Orientalia, Varanasi. 2012.p-485-487.
- Murthy Srikantha. K. R. editor. Transcendence English commentary on Astanga Hridya, 5th ed. Volume 3rd, Uttarasthana: Kitaluthadi Visha Pratishedha: Chapter37, verse-25-28. Varanasi: Chowkhamba Krishnadas Academy.2009.363-364.
- Rao Prabhakara. G. Transcendence English commentary on Cakradatta, 1st ed. Treatment on Visha: Chapter 65, verse-19,20,25-30: Chaukhambha Orientalia, Varanasi. 2018, p-649-651.
- Kumari Asha and Tewari Premvati. Transcendence English commentary on Yogaratnakara, ed. Part 2, Diagnosis and Treatment of Poisoning: Chapter 73, verse-134-145. Chaukhambha Visvabharati, Varanasi. 2019,p-1217-1218.
- Lochan Kanjiv, Transcendence English commentary on Bhaisajya ratnavali of Govinda Dasji Bhiagratna, ed. Treatment of Visha. Chapter 72, verse-22,23,32-34. Chaukhambha Sanskrit Sansthn.2009,p-471-473.

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