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# **Review Article**

# A REVIEW ON VRANOKTA CHIKITSA OF VISHAJA VRANA MENTIONED IN SUSHRUTA SAMHITA KALPASTHANA

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#### **ABSTRACT**

The Vrana which are produced by different types of poisoning substances such as Sthavara visha, Jangama visha and Kritima visha are known as Vishaja vrana. Three great treatise (Brihatrayi) viz; Charaka samhita, Sushruta Samhita, and Astanga hridaya have elaborative descriptions regarding Vrana. Maharshi Sushruta has described various types of Vrana in different Sthanas of Sushruta samhita. But Sushruta has mentioned different types of Vishaja vrana mainly in Kalpasthana of Sushruta samhita. Ayurveda described various types of treatment module for these types of Vrana. Maharshi Sushruta has mentioned treatment of these types of Vrana in Chikitsa sthana and Kalpa sthana. In Chikitsa sthana of Sushruta Samhita shashti upakrama has been mentioned for different types of Vrana treatment. A very limited literary research work has been done on the Vranokta Chikitsa of Vishaja vrana. Therefore a review study has been carried out on the Vranokta Chikitsa of Vishaja vrana mentioned in Sushruta Samhita Kalpasthana. The main aim of this study is to collect all the references of the Vranokta Chikitsa of Vishaja vrana described in Kalpasthana of Sushruta samhita. The treatment module as mentioned in Sushruta samhita under the heading of Shashti upakrama were critically analyzed with the Vranokta Chikitsa of Vishaja vrana of Kalpasthana. There is need of time to do more study and critically analysis on different treatment module of Vishaja vrana.

**KEYWORDS:** Vrana, Vishaja vrana, Shashti <mark>upa</mark>kra<mark>ma.</mark>

# **INTRODUCTION**

Agada tantra<sup>[1]</sup> is a branch of Astanga Ayurveda that deals with sign, symptoms and management of poisoning resulting from the bites of snakes, insects, spiders, rodents etc as well as various combinations of plants and mineral poisons.

The term "*Vrana*" [2] is derived from the verbal root '*Vran*' meaning splitting/ tearing of the body. *Vrana* is defined as:-

"Vrana Gatra Vichurnane Vranayati iti Vranaha" (Su.Chi. 01/6). "Gatra" means tissue (body tissue or part of the body). "Vichurnane" means destruction, break, rupture and discontinuity of body tissue.

Vrana is of two kinds viz Sarira (bodily/endogenous) and Agantuja (external/ exogenous); among these, Sarira vrana[3] are caused by aggravation of Vata, Pitta, Kapha, Rakta and Sannipata where as Agantuja vrana<sup>[4]</sup> are caused by assault /injury from human beings, animals, falling from heights, pressing/squeezing, hit/blow, injury by fire, alkalies poison, strong penetrating drugs, splints of wood, horns of animals, arrow, axe and such other weapons. So in reference to Agada tantra- Agantuja Vrana are also caused by three types of poison i.e., Jangama visa (animate poison), Sthavara visa (inanimate poison) and Kritrima visa (artificial poison).

Maharshi Sushruta has mentioned both types of Vrana treatment in Dvivarniya chikitsitam<sup>[5]</sup> of Chikitsa sthana of Sushruta samhita. In Kalpasthana he also mentioned the treatment of various types of Vrana caused by different types of poison. It is similar to those treatment modules which are mentioned in Chikitsa sthana of Sushruta samhita. According to Maharshi Sushruta, Kalpasthana is not a different part of Sushruta samhita but it is a continuity of Chikitsasthan which is already mentioned in Su. Chi.01/124.

"Vishajustasya vigyanam visha nishachayamewa cha | Chikitsitam cha vakshyami kalpesu pratibhagasaha || (Su. Chi 01/124)<sup>[6]</sup> i.e., knowledge of wounds caused by poisons, identification of poison and treatment will be described in detail in *Kalpasthana*.

# AIMS AND OBJECTIVE

- 1. To evaluate the various *Vranokta Chikitsha* of *Shashti upakrama* of *Sushruta samhita*.
- 2. Analysis of these treatment modules of *Vrana* with *Vishaja vrana* of *Kalpasthana*.

## MATERIAL AND METHOD

The all references of *Vishaja vrana* in *Kalpasthana* of *Sushruta samhita* searched and critically analyzed with and then compared these treatment modules of *Vishaja vrana* with *shashti upakrama*<sup>[7]</sup> of *Sushruta samhita*. (Su. Chi. 01/08)

## **OBSERVATION**

Details of *Vrana* like treatment in *Vishaja vrana* mentioned in *Sushruta samhita Kalpasthana* 

S.N.	Context	Treatment advocated	References	Details with adjuvant treatment
1.	Fumes of poisoned food	Nasya, Anjana, Alepa	Su. K. 01/35-36	Nasal medication & Collyrium prepared from <i>Kustha, Khasa, Jatamansi</i> and honey. <i>Lepa</i> of <i>Sirisa, Haridra</i> & <i>Chandana</i> .
2.	Hasta visa- poison in hands	Alepa	Su. K. 01/37	Lepa of Priyangu, Indravaruni, Sariva, Guduchi and Utpala.
3.	Asya visa- poison in mouth	Nasya, Alepa	Su. K. 01/39	Same as fumes of poisoned food.
4.	<i>Amasaya</i> visa- Poison in mouth	Vamana	Su. K. 01/40-41	Vomiting by <i>Madana, Alabu, Bimbi or Kosataki</i> mixed with either curd, buttermilk or rice water.
5.	Pakvasaya visa	Virechana	Su. K. 01/43	Purgation by Niliniphala with ghee.
6.	Dantakastha visa	Bhedana, Pratisarana	Su. K. 01/48-50	Swelling should be incised and applied with the paste of <i>Dhataki Puspa, Pathya</i> , seed of <i>Jambuphala</i> added with honey.
7.	Poisoned tongue scraper	Same as above	Su. K.01/50	Same as the above
8.	Abhyanga visa	Alepa	Su. K.01/53-54	Paste of Chandana, Tagara, Kustha, Usira, Venupatra, Somavalli, Amrita, Sveta, Padma. Kaliyaka
9.	Poisoned material used for -massaging, bathing, decoctions for bath, unguents, bed, clothes & protectives	Like Abhyanga visa	Su. K.01/55	Treatment like Abhyanga visa.
10.	Poisoned comb	Alepa, Dhoopana	Su.K.01/56-58	Lepa of juice of fresh cow dung or juice of Malti or Musikaparni.
11.	Use of poisoned material of bath on the head, helmet, headwear & garland	Same as the above	Su. K.01/59	Same as the above
12.	Poisoned cosmetics	Alepa Madhu - sarpi	Su. K.01/60-61	Drinking of honey & ghee  Alepa of Chandana, Payasya, Madhuka,  Phanji, Bandhujiva & Punarnava with ghee.
13.	Vahana visa	Alepa	Su. K.01/62	Same as Abhyanga visa
14.	Nasya – dhoom visa	Sarpi pana, Nasya	Su. K.01/63-64	Milk & ghee of cow boiled with <i>Ativisa, Sveta &amp; Madayantika.</i>
15.	Puspamala visa	Alepa, Nasya	Su. K.01/65-66	Treatment like poisoned vapour &

				poisoned cosmetics.
16.	Karnataila visa	Madhu - sarpi	Su. K.01/67-68	Juice of <i>Bahupatra</i> added with ghee & honey.
17.	Anjana visa	Sarpi pan	Su. K.01/69-71	Ghrit paan & groats added with Pipalli.
18.	Paduka visa	Alepa	Su.K.01/72-73	Treatment like Abhyanga visa
19.	Abharana visa	Alepa	Su. K. 01/74	Treatment like Abhyanga visa
20.	General treatment of symptoms produced by <i>visa</i>	Alepa, Nasya, Vamana, Virechana, Ghrita pan, Visravana	Su. K.01/75-78	Uses of Maha sughandhi agada.
21.	Hrdayavarana	Vishagna medicine Sarpi pana	Su. K.01/79-81	Uses of <i>Ajeya ghrita &amp; Amrita ghrita</i> ghee, curd, milk, honey or cold water may be used.
22.	If <i>Visa</i> is concealed secretly in the body	Vamana	Su. K. 01/85	Vomiting induced by <i>Pippali, Madhuka</i> , honey, sugar, juice of sugar & water.
	Treatment of Visa vega			
a.	1 <sup>st</sup> Vega	Vamana, Parisheka, Agada pan, Madhu sarpi	Su. K. 02/40	Vomiting by using emetic recipes. Cold water should be poured on him Agada pan with honey & ghee.
b.	2 <sup>nd</sup> Vega	Vamana, Virechana	Su. K. 02/41	Firstly vamana then after virechana.
C.	3 <sup>rd</sup> Vega	Agada pana, Nasya	Su. K. 02/41	Administer <i>Agada</i> by drink followed by nasal drops and Collyrium.
d.	4 <sup>th</sup> Vega	Agada pana	Su. K. 02/42	Agada paan mixed with fats.
e.	5 <sup>th</sup> Vega	Agada pana Decoction	Su. K. 02/42	Agada mixed with honey and decoction of Mashuka.
f.	6 <sup>th</sup> Vega	Avapeedaka nasya	Su. K. 02/43	Treatment is like that of diarrhoea.
g.	7 <sup>th</sup> Vega	Kaka pada	Su. K. 02/43	Wound is made on the head & a piece of meat having blood.
24.	Treatment of Dooshivisha	Vamana, Virechana Agada pana	Su. K. 02/50	Firstly <i>Vamana</i> then after <i>Virechana</i> then be made to consume <i>Agada</i> .
25.	Complications of <i>Dooshivisa</i>	Vishagna medicine	Su. K. 02/53	Use of anti poisonus receipe.
26.	Symptoms due to Visajusta bhumi	Parisheka	Su. K.03/10-12	Sprinkled with <i>Vidanga, Patha</i> and <i>Katabhi.</i>
27.	Symptoms due to Visajusta trnadi	Alepa	Su. K.03/13-15	<i>Lepa</i> with anti poisonous substances on musical instruments.
28.	Visa chikitsa	Parisheka	Su. K.03/30-31	Parishekan karma with cold water.
29.	Snake bite	Bhedana, Daha karma	Su. K. 05/5	Where tying is not possible, the site of bite should be incised & cauterised.
30.	Snake bite	Sira vyadha, Alepa Parisheka, Vishagna medicine	Su. K.05/14-16	After venepuncture the <i>Lepa</i> of anti poisonous medicines and <i>Parishekan</i> with water added with <i>Candana</i> and <i>Usira</i> .
31.	Snake bite	Vishagna, Sarpi pana, Vamana	Su. K.05/17-19	Anti poisonous medicines mixed with milk, honey, ghee etc. And then after vamana

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	Veganusara treatment of darvikara visa				
a.	1 <sup>st</sup> Vega	Siravedha	Su. K. 05/20	Bloodletting should be done.	
b.	2 <sup>nd</sup> Vega	Madhu sarpi Vishagna medicine	Su. K. 05/20	Anti poisonous medicines along with honey and ghee.	
C.	3 <sup>rd</sup> Vega	Nasya	Su. K. 05/21	Anti poisonous nasal medicines and eyesalves should be applied.	
d.	4 <sup>th</sup> Vega	Vamana	Su. K. 05/21	After Vamana yavagu should be given.	
e.	5 <sup>th</sup> Vega	Virechana	Su. K. 05/22	After cold treatment <i>Virechana</i> should be given.	
f.	6 <sup>th</sup> Vega	Same as above		Same as above	
g.	7 <sup>th</sup> Vega	Nasya	Su. K. 05/23	By using <i>Nasya</i> and <i>Anjana karma Kakapada</i> should be made on the head.	
33.	Mandali visa chikitsa	Vamana Virechana Vishagna Madhu sarpi Nasya	Su. K.05/24-27	Stage wise treatment of poisoning.	
34.	Rajimanta visa chikitsa	Sira vedhana, Vamana, Virechana, Vishagna, Nasya	Su. K.05/28-29	Bloodletting should be done and treatment like <i>Mandali visa</i> .	
35.	Prani chikitsa	Sira vedhana	Su. K. 05/31	Bloodletting and eye salves should be done.	
36.	Birds <i>chikitsa</i>	Parisheka Upanaha	Su. K. 05/32	Bathing and <i>poultices</i> applied very cold.	
37.	Symptomatic treatment	Sira Vedhana, A <mark>lepa</mark> Vamana, Virechana Nasya	Su. K.05/35-39	For <i>Vata</i> symptoms <i>Rakta mokshan</i> , for <i>Pitta</i> symptoms cold things, massage, bath, <i>poultice</i> and for <i>Kapha</i> symptoms <i>Vamana</i> should be treated.	
38.	For <i>Vata-pitta visa</i> symptoms	Virechana Vasti karma	Su. K. 05/40	Vasti & Virechana karma should be administered with relative drugs.	
39.	For visa atur	Nasya	Su. K.05/41-42	Administered Siro virechana	
40.	Treatment of unconscious patients	Siro virechana Bhedana, Alepa, Vamana, Virechana	Su. K.05/46-49	Administered strong <i>Pradhamana</i> with powder of drugs after that make a sign of <i>Kakapada</i> with a sharp instrument.  A drum should be smeared with anti poisonous drugs, then <i>Vamana &amp; Virechana</i> .	
41.	Treatment of aggravated <i>Dosha</i> after removal of <i>visa</i>	Snehana, Vamana, Vasti, Vishagna	Su. K.05/52-54	Snehana, Vamana for Vata, Snehana, Vasti for Pitta and Kaphanasaka Agada for Kapha.	
42.	Visha digdha vrana	Chedana, Raktamokshana, Vamana, Virechana Vishagna	Su. K.05/58-60	Excision of foul smelling muscles. Vitiated blood should be removed by using leeches. Vomiting & purgation, Poultice made from anti poisonous drug added with ghee applied keeping the paste between two layers of cloth.	

43.	Vamsatvagadi agada in	Alepa, Nasya, Varti	Su. K.05/78-80	Bark of bamboo, <i>Amlaka, Kapittha,</i>
	Lutadi visa		,	Katutrika, Haimavati, Kustha, seeds of Karanja, Tagara, flower of Sirisa and Gopitta- all made into paste and used as Lepa, Nasya, Varti etc.
44.	Ksara agada in snake visa	Pana, Nasya, Abhyanga	Su. K.06/04-07	Use of <i>Ksara agada</i> as <i>Pana, Nasya, Abhyanga</i> etc.
45.	Maha sugandhi agada in snake visa	Alepa, Madhu sarpi	Su. K.06/14-27	Mixed this <i>Agada</i> into <i>Gopitta</i> , honey & ghee and used as a <i>Lepa</i> .
46.	Poison of bite of Hamsira rat	Vamana Decoction	Su. K.07/14	Vamana karma and then drink the decoction of drugs of Aragvadgadi gana.
47.	Poison by <i>Alasa</i> rat	Madhu sarpi	Su. K.07/18	Mahagada added with ghee and honey.
48.	Poison of <i>Arunadi</i> rat	Vamana, Virechana Siramoksana	Su. K.07/25-31	Administered the <i>Vamana, Virechana</i> & venepuncture.
49.	Poison of rat	Dahan, Visravana Alepa	Su. K.07/25-31	The site of bite should be burnt or incised and blood let out. Then the area smeared with paste of <i>Sirisa, Rajani, Kustha, Kumkuma</i> and <i>Amrita.</i>
50.	Poison of rat	Virechana, Siro- virechana	Su. K. 07/37	For Virechana use of paste of Trivrt, Danti and Triphala is desirable. For Sirovirechana use of Sara and fruit of Sirisa is used.
51.	Treatment of karnika	Bhedana	Su. K. 07/42	Remove the <i>Karnika</i> by incision and purify the wounds according to predominant <i>Dosha</i> .
52.	Treatment of Svasrgaladi visa	Siwana, Alepa Madhu sarpi	Su. K.07/43-45	Treatment like <i>Viddha vrana</i>
53.	Treatment of Svasrgaladi visa	Visravana, Peedana Alepa, Virechana	Su. K.07/50-58	Blood should be removed by squeezing and burnt by hot ghee.
		Ghrita pana, Agni		Lepa of anti poisonous medicines.
		karma, Vishagna		Shodhana karma and Ghrita pana is also administrated.
54.	Treatment of Svasrgladi visa	Vamana, Virechana	Su. K. 07/62	After bath <i>Tikshna sanshodhana</i> is to be advised.
55.	Vrana due to Nakha kshata	Peedana Taila	Su. K. 07/65	Squeezing the blood and warmed oil poured over the area.
56.	Bite by insect of powerful poison	Same as snake poison	Su. K. 08/42	Treatment is same as snake poison.
57.	General treatment in Keeta dasta	Swedana, Alepa, Parisheka,Vishagna	Su. K. 08/43	Fomentation, external application of medicine, pouring liquids on the area of bite should be warm.
58.	Vatdi dosha in Visahar sweda materials	Poultice <i>Upanaha</i>	Su. K. 08/45	Utakarika (poultice or Upanaha) prepared from Laghu panchamula
59.	Pippilika, Maksika, Masaka bite	Alepa Vishagna	Su. K. 08/55	Application of paste of black mud of ant hill made with <i>Gomutra</i> .
60.	<i>Ugra-madhya</i> scorpion bite	Swedana, Pratisarana, Alepa	Su. K. 08/67	Treatment like snake bite.

		Bhedana		
61.	Manda scorpion bite	Swedana, Parisheka Vishagna, Dhooma Alepa	Su. K.08/68-74	Paste of sour <i>Matulunga</i> & young leaves of <i>Surasa</i> .  Fomentation of feathers of peacock, cock, <i>Saindhava</i> etc. And <i>Poultice</i> from anti poisonous medicines.
62.	Bites of <i>Lutas</i>	Nasya, Abhyanga Dhooma, Awapeeda Kawala, Vamana Virechana Siramokshna	Su. K. 08/134	These <i>Upakrams</i> are used with the help of anti poisonous medicines.
63.	Bites of Sadhya lutas	Chedana, Bhedana Alepa, Parisheka Vishagna, Decoctions	Su. K.08/130- 133	Excise/ cut the bite using <i>Vrddhipatra</i> and then apply the anti-poisonous medicines.  Decoctions of <i>Priyangu, Rajani, Kustha</i> etc are used.
64.	General treatment of all <i>Lutas</i>	Alepa, Pana Nasya etc	Su. K. 08/120	Bark of <i>Slesmataka</i> is used for all methods.
65.	Dusta vrana of Luta bite	Chedana, Bhedana etc.	Su. K. 08/135	Treatment like <i>Dusta vrana</i> .

## **DISCUSSION**

After detailed study on *Vrana Chikitsa* of *Vishaja vrana*, it is found that all the treatment module of *Vrana* is summarised in *Shashti upakrama* of *Chikitsasthan*. Among these *Upakramas* one or more than one *Upakrama* may be employed according to condition of the *Vishaja vrana*. All these sixty *Upakramas* can be classified into seven *Upakrama* of *Sopha*[7]. These are *Vimlapana*, *Avasechana*, *Upnaha*, *Patana*, *Sodhana*, *Ropnam* and *Vaikritapaham*. *Maharshi Sushruta* has also mentioned *Trividha karmas* for the treatment of *vrana*[8]. These are:

- 1. **Poorva karma:** Among sixty *Upakramas* from *Apatarpana* to *virechana karma* are considered as measures of *Poorva karma*.
- 2. **Pradhana karma:** Among sixty *Upakramas* starting from *Chedana karma* to *Seevana karma* are considered as *Pradhana karma*.
- 3. *Paschat karma*: Among sixty *Upakkramas* starting from *Sandhana* to *Rakshavidhana* are considered under *Paschat karma*.

Apart from these another two types of treatment module are also mentioned in the treatment of *Vishaja vrana*.

- 1. Shodhana<sup>[9]</sup> treatment
- 2. Ropana treatment

In *Shodhana* treatment two types of *Shodhana* treatment are mentioned which are *Abhyantara Shodhana*<sup>[10]</sup> and *Bhaya Shodhana*<sup>[11]</sup>. In *Abhyantara Shodhana Vamana, Virechana, Basti* 

and Sirovirechana are mentioned while as in Bhahya Shodhana Raktamokshana, Lepa, Prakshalana etc are mentioned.

If we summarise all the treatment modules which are mentioned in the *Vishaja vrana* of *Kalpasthana* we find that several *Upakramas* are repeated many times during the treatment of *Vrana* which are described in following tables.

described in following tables:					
S.N	Treatment Modules	Repeated Times			
1.	Alepa	More than 30 times			
2.	Vishagna medicine	More than 25 times			
3.	Nasya	More than 24 times			
4.	Vamana	More than 20 times			
5.	Virechana	More than 20 times			
6.	Sirabheda	More than 15 times			
7.	Shastrakarma	More than 15 times			
8.	Parisheka	More than 12 times			
9.	Madhu-sarpi	More than 10 times			
10.	Sarpi-pan	More than 10 times			
11.	Daha karma	More than 8 times			
12.	Upanaha	More than 5 times			
13.	Pratisarana	More than 5 times			
14.	Decoction	More than 5 times			
15.	Abhyanga	More than 3 times			
16.	Dhooma	More than 2 times			
17.	Kawala	More than 2 times			

18.	Dhoopana	More than 2 times
19.	Varti	More than 1 times
20.	Kakapada	More than 1 times

#### **CONCLUSION**

This study can be concluded that Acharya Sushruta described Vrana and their treatment module mainly in sixty procedures known as *Shashti* Upakrama of Sushruta samhita. This treatment module is also similar to that type of *Vrana* produced which is caused by different types of poisons i.e., Sthavara visa, Jangama visa and Kritima visa which is mentioned in Kalpasthana of Sushruta samhita. Treatment of *Vishaia vrana* is also similar to treatment of Sopha Chikitsa<sup>[12]</sup>, Sotha Chikitsa, Visa Chikitsa, Jwara Chikitsa etc. So their treatment module is not only mentioned in *Kalpathana*, but it is also spread in different Sthanas of Sushruta samhita, Charka samhita and other Samhitas. So there is need to do more scientific studies on the rationality of Vishaja vrana treatment through different Samhitas.

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