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Review Article

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A REVIEW ON AKUVISHANTAKA RASA- AN AGADA FORMULATION

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ABSTRACT

Agada Tantra is one among the eight branches of Ayurveda which deals with different poisoning conditions, diagnosis and treatment. Mooshikavisha or Akuvisha (Rat bite poisoning) is one among the types of Jangama visha (Animal origin poison). According to Acharya Susruta it is of 18 types. Shukra (Semen) is said to be the main Adhistana (Site) of Mooshika visha (Rat bite poisoning). Akuvishantaka rasa is a Herbo-mineral preparation explained in Yogaratnakara under visha chikithsa adyaya and is indicated in Mooshika damsha (Rat bite poisoning) and other damsha (bite) conditions. The ingredients are easily accessible and have a simple method of preparation may encourage the physician to use this formulation in the management of Visha (Poison) condition. Hence an

effort is made to review the Akuvishantaka rasa for its Vishahara (Anti-toxic) property.

KEYWORDS: Ayurveda, Agada tantra, Mooshika visha, Akuvishantaka rasa.

INTRODUCTION

Agada Tantra is one among the eight branches of Ayurveda, which deals with the diagnosis and treatment of disorders caused by Sarpa damsha (Snake bite), Keeta damsha (Insect bite), Loota damsha (Spider bite), Mooshika damsha (Rat bite), etc. and poisons made from the combination of different poisons. Word meaning of Agada is Roga Pratikara which means to fight against disease. [2]

In *Ayurveda, Mooshika visha* (Rat bite poisoning) is one among the types of *Jangama visha* (Animal origin poison). According to *Susruta*, varities of *Mooshikas* (Rats) are 18 in number.

These include Lalama, Putraka, Krisna, Hamsira, Chikkira, Chucchundara, Alasa, Kashaya dasana, Kulinga, Ajita, Chapala, Kapila, Kokila aruna, Mahakrisna, Undura, Mahashweta, Ardhakapila and Kapotabha. Though mainly Mooshika (Rats) are poisonous by their shukra (semen), other adhistanas (site) are also described which include nakha (nail) and danta (teeth). [3]

The signs and symptoms of *Mooshika visha* (Rat bite poisoning) includes development of *granti* (tumors), *shopha* (glandular swellings), *karnika* (round elevated patches having small eruptions), *mandala* (discolored patches), *pidakas* (profound multiple eruptions), *visarpa* (erysipelas), *kitibha*, (a kind of minor leprosy), *parvabheda* (severe joint pain), *murcha* (fainting), *angasada* (debility on the body parts), *jwara*(fever), *daurbalya* (weakness), *aruchi* (loss of taste), *shwasa* (dyspnea), *vamatu* (vomiting) and *lomaharsha*(horripilation). [4]

In *Ayurveda* for *Mooshikavisha* (Rat bite poisoning) treatment various *Agada* formulations are described in different literatures, *Yogaratnakara* is one among them. It is the compilation of various formulations and has been written by referring vast *Ayurvedic* literature which were available on those days. *Akuvishantaka rasa* is a herbo-mineral preparation which is described in *Yogaratnakara* under *Vishachikithaka Adyaya*. It is a *vati kalpana* (tablet form) containing 9 ingredients and *Go-mutra* (*Cow`s urine*) as *anupana* (vehicle).^[5]

Table 1: Ingredients of Akuvishntaka rasa. [5]

S. N	Dravya (Drugs)	Latin name	Quantity
1	Parada(Mercury)	-	1 Part
2	Gandaka(Sulphur)	-	1 Part
3	Vatsanabha	Aconitum ferox Wall	1 Part
4	Shunti	Zingiber officinale Roscoe	1 Part
5	Maricha	Piper nigrum Linn	1 Part
6	Pippali	Piper longum Linn	1 Part
7	Tankana(Borax)	-	1 Part
8	Katuki	Picrorhiza kurroa	1 Part
9	Punarnava (Swarasa)	Boerhavia diffusa	Quantity sufficient
10	Go-mutra (Cow`s urine)	-	Quantity sufficient

Table 2: Properties and Action.

SN	Dravya (Drug)	Rasa (Taste)	Guna (Properties)	Veerya (Potency)	Vipaka (Metabolic Property)	Doshaghnata (Action on dosha)	Karma (Action)
1	Parada ^[6] (Mercury)	Shadrasa (All six tastes)	Snigdha (Unctuous), Sara (Mobility), Guru (Heavy)	Ushna (Hot)	Madhura (Sweet)	Tridoshahara (Alleviates Vata, Pitta, Kapha)	Yogavahi (Catalyst), Rasayana (Rejuvenate), Balya (Strengthens the body), Vrishya (Aphrodisiac)
2	Gandaka ^[7] (Sulphur)	Kaţu (Pungent), Tikta (Bitter)	Snigda (Unctuous), Sara (Mobility)	Ushna (Hot)	Katu (Pungent)	Kaphvatahara (Alleviates Vata and Kapha)	Visarpagna (Alleviates erysipelas), Kustagna (Alleviates skin disease), Vishagna (Anti-poisonous), Rasayana (Rejuvenate), Deepana (Gastro stimulant)
3	Vatsanabha ^[8] (Aconitum ferox Wall)	Madhura (Sweet)	Ruksha (Dry), Tikshna (Sharp), Laghu (Light), Vikasi (Causing joint looseness by diminution of ojas), Sukshma (Minute), Vyavayi (Pervades the body before getting digested)	Ushna (Hot)	Madhura (Sweet)	Tridoshahara (Alleviates Vata, Pitta, Kapha)	Shothahara (Alleviates swelling), Vedanahara (Analgesic) Jwaragna (Antipyretic) Deepana (Gastro stimulant)
4	Shunti ^[9] (Zingiber officinale Roscoe)	Katu (Pungent)	Laghu (Light), Snigdha (Unctuous)	Ushna (Hot)	Madhura (Sweet)	Vatakaphahara (Alleviates Vata and Kapha)	Shoolagna (Analgesic), Ruchya (Increases taste), Deepana (Gastro stimulant), Pachana (Digestive), Swasahara (Alleviates asthma)
5	Maricha ^[10] (Piper nigrum Linn)	Katu (Pungent)	Guru(heavy), Tikshna (Sharp)	Natyushna (Not very hot)	Madhura (Sweet)	Kaphvataahara (Alleviates Vata and Kapha)	Shoolahara (Analgesic), Balya (Strengthens the body), Deepana (Gastro stimulant), Swasahara (Alleviates asthma) Krimigna (Anti helminthic), Chedana (cutting)
6	Pippali ^[11] (Piper longum	Katu (Pungent)	Tikshna (Sharp), Laghu (Light), Snigdha	Anushna (Not hot)	Madhura (Sweet)	Kaphvatahara (Alleviates Vata	Shoolanashaka (Analgesic), Kushtagna (Alleviates

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	Linn)		(Unctuous)			and <i>Kapha</i>)	skin disease), <i>Deepana</i> (Gastro stimulant), <i>Swasahara</i> (Alleviates asthma) <i>Jwaragna</i> (Antipyretic)
7	Tankana ^[12] (Borax)	Katu (Pungent)	Tikshna (Sharp), Laghu (Light), Sara (Mobility), Ruksha (Dry)	Ushna (Hot)	Amla (Sour)	Kaphvatahara (Alleviates Vata and Kapha)	Vishagna (Anti-poisonous), Swasahara (Alleviates asthma), Deepana (Gastro stimulant)
8	Katuki ^[13] (Picrorhiza kurroa)	Tikta (Bitter)	Ruksha (Dry), Laghu (Light)	Sheeta (Cold)	Katu (Pungent)	Pittakaphahara (Alleviates Pitta and Kapha)	Dahahara (Alleviates burning), Jwaragna (Antipyretic), Swasahara (Alleviates asthma) Kustagna (Alleviates skin disease), Deepana (Gastro stimulant)
9	Punarnava ^[14] (Boerhavia diffusa)	Tikta (Bitter)	Laghu (Light), Ruksha (Dry)	Sheeta (Cold)	Katu (Pungent)	Pittakaphahara (Alleviates Pitta and Kapha)	Shophanashaka (Anti-inflammatory), Grahi (Binding), Pandugna (Alleviates anemia)
10	Go-mutra ^[15] (Cow`s urine)	Katu (Pungent), Tikta (Bitter), Kashaya (Astringent)	Tikshna (Sharp), Ushna (Hot), Kshara (Alkali), Laghu (Light)	Ushna (Hot)	Katu (Pungent)	Kaphvatahara (Alleviates Vata and Kapha)	Shoolagna (Analgesic), Kustagna (Alleviates Skin disease), Swasahara (Alleviates asthma), Shothagna (Alleviates swelling), Agnideepaka (Gastro stimulant), Medhya (Improves intellect)

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METHOD OF PREPARATION^[5]

Shudda Parada and Shudda Gandaka are made into Kajjali, Shudda Vatsanabha, Shunti, Maricha, Pippali, Shudda Tankana and Katuki are taken in equal quantity and made into powder. This has to be made into tablet by mardana (trituration) with Punarnava swarasa.

DOSAGE^[5]

2 Gunja (~250 mg).

ANUPANA^[5]

Go-mutra (Cow's Urine).

INDICATION^[5]

Mooshika damsha (Rat bite poisoning) and other damsha (bite) conditions.

Table no. 3: Showing symptoms of *Mooshikavisha* (Rat bite poisoning), action of *Akuvishantaka rasa* and the responsible ingredients.

Symptoms	Action of Akuvishantaka rasa	Responsible ingredients	
Granthi (Tumors) & Shopha (Glandular swellings)	Kapahavatahara (Alleviates Vata and Kapha), Margavishodana (Clears the channel), Shophagna (Anti-inflammatory), Shotagna (Alleviates swelling)	Vatsanabha, Shunti, Maricha, Pippali, Tankana, Punarnava, Go-mutra	
Karnika (Round elevated patches having small eruptions), Pidaka (Profound multiple eruptions), Visarpa (Erysipelas)	Pittahara (Alleviates Pitta), Visarpagna (Alleviates herpes),	Gandaka, Katuki,Punarnava	
Mandala (Discolored patches), Kitiba (A kind of minor leprosy)	Kushtagna (Alleviates skin disease)	Gandaka, Pippali, Go-mutra	
Ruja (Pain)	Shoolagna (Analgesic), Vatahara (Alleviates Vata)	Shunti, Maricha, Pippali, Vatsanabha, Go-mutra	
Angasadana (Debility on the body parts), Daurbalya (Weakness)	Balya (Strengthens the body), Rasayana (rejuvenate)	Parada, Gandaka, Maricha, Pippali	
Aruchi (Loss of taste)	Deepana (Gastro stimulant), Pachana (Digestive), Ruchya (Increases taste)	Gandaka, Vatsanabha, Shunti, Maricha, Pippali, Tankana, Katuki, Go-mutra	
Jwara (Fever)	Jwaragna (Antipyretic)	Vatsanabha, Pippali, Katuki	
Swasa (Asthma),	Swasahara (Alleviates asthma)	Shunti, Maricha, Pippali, Tankana, Katuki, Go-mutra	
Vamatu (Vomiting)	Kapahavatahara (Alleviates Vata and Kapha), Deepana (Gastro stimulant), Pachana (Digestive),	Gandaka, Shunti, Maricha, Pippali, Tankana, Go-mutra	

DISCUSSION

PROBABLE MODE OF ACTION

Based on Veerya (Potency) of ingredients

Most (60%) of the ingredients of *Akuvishantaka rasa* are having *Ushna Veerya* (hot potency) which helps in *Srotoshodana* (Clearing the channels) leading to proper movement of *Doshas* (Humors) in body.

Based on the Doshaghnata (Action on Dosha) of ingredients

The majority of the ingredients of this formulation is having *Kapha-Vatahara* (Alleviates *Kapha* and *Vata*) and *Tridoshahara* (Alleviates *Vata*, *Pitta*, *Kapha*) property which help in counteracting the ill effects caused because of *Visha* (Poison).

Based on Pharmacological action

Drugs like *Vatsanabha*^[16], *Shunti*^[17], *Maricha*^[18], *Pippali*^[19], *Tankana*^[20], *Katuki*^[21], *Punarnava*^[22] and *Gowmutra*^[23] are proven to have Anti-inflammatory, Analgesic, Antiseptic, Anti-oxidant and Anti-toxic properties, which helps in reducing the inflammation, pain, prevents cell damage and reduce the toxin level in body.

CONCLUSION

When *Visha* (Poison) comes in contact with body it produces both local and systemic ill effects. The Herbo-mineral preparation *Akuvishantaka rasa* explained by *Yogaratnakara* is having simple method of preparation and easily accessible ingredients possessing *Kaphavatahara*, *Tridoshagna*, *Shophagna* (Anti-inflammatory), *Shoolagna* (Analgesic) and *Vishagna* (Anti-toxic) actions by which it can counteract the ill effects of *visha* (poison) and alleviates the *visha* (poison) effectively.

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