

## SCREENING OF ANTITOXIC PROPERTY OF GANDHAMADAN AGADA - A REVIEW

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### ABSTRACT

Ayurveda is unique amongst the healthcare disciplines in the world as it places an emphasis on removing the cause of disease and suffering. Ayurveda teaches suffering begins when person forgets that they are one part of an interconnecte whole. Ayurveda utilizes the sense both as a preventative form of medicine and as adjunct to herbal medicine and Panchakarama. Vagbhata in Uttartantra his work Ashtanga Hrdaya and Ashtanga sanghraha have narrated regarding the origin of Visha and Keeta visha. There are several types of Keeta visha described. The importance of Keeta visha is more because it causes severe manifestations in the human being, even death also. According to its variety diagnosis and treatment of Keeta visha is found to be difficult

because these varieties are not yet correctly identified and besides, regional variations of these Keetas manifests very differently. According to *Aacharya Vagbhata Gandhamadan Agada* formulation is prepared by using *Vishaghana* drug and it is used in *keet Chikitsa*. The ingredient of *Gandhamadan Agada* having anti-inflammatory, antifungal, antimicrobial insecticidal, anti-oxidant, hepatoprotective, immunostimulatory action. In this review article pharmacological & therapeutic action, as well as antitoxic property of *Gandhamadan Agada* along with each ingredient will be discussed.

**KEYWORD:** *Gandhamadan Agada*, *Visha*, Antimicrobial, Antioxidant.

### INTRODUCTION

Natural products can be a good source of obtaining highly safe, potent, and low cost antibacterial and antifungal, antioxidant drugs.

Article Received on  
05 July 2020,

Revised on 26 July 2020,  
Accepted on 16 Aug 2020,

DOI: 10.20959/wjpr202010-18432

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*Panchshirish Agada* is one such formulation. *Panchshirish Agada* is mentioned in *Charak Samhita*. It is extensively used in all poisonous conditions including venomous bite. It is mentioned in *Yogaraj Nighantuv*. It is used in various poisonous conditions. So it is very much essential to evaluate the effects of these compounds' preparation against certain pathogens.

### AIM

1. To study the anti-toxic action of *Gandhamadan Agada*.

### OBJECTIVE

1. To study the pharmacological and therapeutic action of *Gandhamadan Agada*.
2. To study the pharmacological and therapeutic action of each ingredient of *Gandhamadan Agada*.

### MATERIAL AND METHODS

Study is based on literary review collected from *Ayurved Samhita*

#### Method of preparation of *Gandhamadan Agada*

The equal quantity fine powder of Tagara, Lodhra, Vacha, Kutki, Patha, Ela, Kumkum, Tejaptra mixed properly and then taken with honey.

**Table 1: Rasapanchaka of the ingredients of *Gandhamadan Agada*.**<sup>[6,7,8,9]</sup>

**Table no.1: Ingredients of *Gandhamadan Agada*.**

S.n.	Name of Dravya	Latin Name	Family	Part used
1.	Tagar	<i>Valeriana wallachi</i> .	Valerianaceae	Mula
2.	Lodhra	<i>Symplococcus racemosa</i>	Umbelliferae	Panchanga
3.	Vacha	<i>Acorus Calamus</i>	Valerianaceae	Mula
4.	Kutki	<i>Eclipta Prostrata</i>	Symplocaceae	Twaka
5.	Patha	<i>Cisampelos Parreria</i>	Zingiberaceae	Beeja
6.	Ela(sukshma)	<i>Elettaria cardamomum maton</i>	Zingiberaceae	Mula -
7.	Kumkum	<i>Crocus Sativus</i>	Irideaceae	Phala
8.	Tejapatra	<i>Cinamomum Tamala</i>	Graminae	Beeja

### TAGAR

Pharmacological properties /action-

Analgesic, Insecticidal, anticonvulsant, Antimicrobial, Muscle relaxant, Antipyretics, sedative, pesticidal, CNS depressant, antifungal, Reduces the inflammation, hepatoprotective

**Ayurvedic review**

Vranaropan, vedanasthapan *Vishaghna, Shulghna, apasmarahara, netrarogahara, vatanadiuttejaka*

**Antitoxic action**

Valerian root paste is applied over the wounds for treatment

The cold infusion of the root of the plant is given in 50 ml in case of pain due to wound. The decoction of root useful in indigestion, pain abdomen and hepatomegaly. The paste of root of tagar is applied over the area affected with insect bite and scorpion bite, The decoction of root is given asthma and cough associated with phlegm. The paste of root is applied externally over the area affected with skin diseases like discoloration and ring worm, Useful in the treatment of neurosis. It is used depressant, hypnotic, sedative, sudorific, laxative, tranquillizer, also in convulsions, hypochondriasis and neuralgia, to strengthen eyesight, palpitation.

**LODHRA****• Pharmacological properties /action**

Antiinflammatory Antidiarrhoeal, Antibacterial, heart depressant, blood pressure depressant, Spasmogenic.

**Ayurvedic Review**

Jwarghana, Atisaraghna, Vranaropan, Kusthaghna, *Grahi, Raktapittaghna, Sleshmaghna Balya, Raktavikarahara, Shothaghna, Raktastambaka, Sleshmaghana.*

**Antitoxic Action**

Useful in bleeding gums, bark property astringent, refrigerant, expectorant, reduce the inflammation, depurative, Suppurative, febrifuge, haemostatic, stomachic, constipating. It is useful in asthma, respiratory infection, drops, ulcers, tumours, leprosy, joints pain, skin diseases, white discharge, diarrhoeal infection, dysentery, elephantiasis, hepatic disorders, Piles, ear problems and sexually transmitted disease like gonorrhoea, flatulence etc.

**VACHA****Pharmacological Action**

Antimicrobial, Antidiarrheal, antioxidant, Antiinflammatory, Antiulcer, Spasmolytic, Anticholinesterase, Antidyslipidemic.

**Ayurveic Review**

*Lekhaniya, Truptighana, Asthpanopaga, Sheet Prashaman, Arshoghana, Sadnyasthapan, Shirovirechana.*

**Antitoxic action**

- Vacha is useful in speech disorder like Slurred speech. Vacha is useful in digestive problem like ama dosha. Vacha gives good result in mental disorder like Unamad, Apasamara, Schizophrenia. Vacha prabhav is medhya so it increases grasping power, improves intelligence. Vacha improves voice clarity so very beneficial in singers. Vacha is used in sexually transmitted disease like syphilis.

**KUTKI**

Pharmacological properties/action

Antimicrobial, Antidiarrheal, antioxidant, Antiinflammatory, Antiulcer, Spasmolytic, Anticholinesterase, Antidyslipidemic

**Antitoxic action**

Kutki improves digestion by its deepan guna. Kutki useful in kapha pitta jwara. Kutki is used in skin diseases like swetakushtha. Useful in alcohol patient after deaddiction to improve liver condition. In respiratory condition like asthma kutki shows very beneficial results.

**PATHA****Pharmacological action**

Patha pharmacological action like antidiabetic, hepatoprotective, antiasthamatic, diuretics, antioxidant, anti-inflammatory.

**Antitoxic action**

Patha balances tridosha like vata and pitta. Patha used in many skin diseases like kustha. In Ayurveda patha used in infertility treatment. Patha acts Jwaraghna. Patha used in gulma, krumi, Vrana chikitsa.

**Ela****Pharmacological Action**

Antiulcerogenic, antimicrobial activity, antioxidant activity.

**Antitoxic action**

Ela was traditionally used from ancient times in various Gastrointestinal problem like indigestion, cardiovascular problems and neural problems, Ela used in skin penetration because it use like scrubbing layer of skin drugs, Anticarcinogenetic effect also seen.

**KUMKUM****Pharmacological action**

Antifungal, Antibacterial, Antiinflammatory, Antianaphylactic, Antispasmodic, Antihelminthic, Hypotensive.

**Antitoxic action**

- Due to the varna guna of kumkum it is very useful in Skin treatment .
- Kumkum gives better result in skin complexion.
- Vrana Shodhan effect of kumkum better in infected wounds.
- Kumkum improve digestion power.
- In drushtiroga kumkum is useful.

**TEJAPATRA****Pharmacological action**

Tejapatra has significant antidiabetics, Hypolipidemic, Antioxidant activity. The potent activity of antioxidant may responsible for antidiabetics, and antihyperlipidemic activity.

**• AYURVEDIC REVIEVE**

Tejapatra is kapha vata shamak. Mukhashodana, Mastakshodhana. Aruchighana, Kandughana, BAs tiroga.

**Actions and Uses**

In Ayurveda tejapatra is used in various drug in Ayurveda like Lodhrasava, Punarnavadyarishta. The powder of cinnamon is used in mukhadoshha like bad odour, Aruchi, Dental conditions. The bark powder is useful in swelling. The powder is mixed with honey give beneficial result in Respiratory condition like asthma, Bronchitis. It is useful in obese person who suffering from bad odour.

**DISCUSSION**

Gandhamadan Agada contains 8 drugs.

The drugs have KatuVipaka, UshanaVeerya, Katu, Tikta, Kashaya Rasa, Vishaghna, Kushthaghana, Twagdosahara, Deepaniya, Shothahara, Karma.

Drug individually in the Gandhamadan Agada helps to elimination of poison. Pharmacological action of these drug is antibacterial, analgesic, antifungal, antioxidant, anti-inflammatory, hepatoprotective, diuretic, antiulcerogenic, anthelmintic, anticonvulsant etc.

The preparation of Gandhamdan Agada is useful in the keet chikitsa and treatment insect poison.

### CONCLUSION

Aacharya vaghbhat described Gandhamadan Agada. Most of the ingredient of Gandhamdan Agad having Vishaghna, Deepaniya, Karmas. The use of Gandhamadan Agada in insect bite. The review of this article is to provide collective information on pharmacological, therapeutic and medicinal use of Gandhamadan Agad.

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