



PIPPALIMULADI AGADA - A REVIEW

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Article DOI: <https://doi.org/10.36713/epra18162>

DOI No: 10.36713/epra18162

ABSTRACT

Background- Agadatantra is included under Ashtangas that not only deals with diagnosis of poisons bites and stings but also deals with different types of toxicity such as concotent (Gara Visha) and Cumulative toxicity (Dushi Visha). Dushi Visha is one among the widely discussed topics in Agadatantra. All the Brihatayess and in Malayalam text books deals this topic detailly. Many Agada Yogas are described by acharyas for managing Dooshi visha.

Introduction- Pippalimuladi agada is one of the Agada Yoga detailed in the book Kriyakoumudi in relation to dushi visha. Kriyakoumudi is one of the classic literature accessible for Agadatantra. This book focuses exclusively on different types of poisons and their traditional treatments. We discovered various Agada Yogas in this book that Brihatrayees did not address.

Objective

1. To study the pharmacological and therapeutic action of pippalimuladi agada.
2. To study the pharmacological and therapeutic action of each ingredient of pippalimuladi agada.

Materials and methods- The whole study is based on literary review collected from Ayurved Samhitas and Kriyakoumudi.

Conclusion- The components in pippalimuladi agada have anti-inflammatory, antifungal, antimicrobial, antioxidant, and diuretic properties. This review article will discuss the pharmacological and therapeutic effects of pippalimuladi agada, as well as the effects of each ingredient.

KEYWORD: pippalimuladi agada, Kriyakoumudi, Dooshi Visha

INTRODUCTION

Agadatantra is an Ashtanga practice that deals not only with the diagnosis and treatment of poison bites and stings, but also deals with various types of toxicity such as concatenate (Gara Visha) and cumulative toxicity (Dushi Visha). Dushi Visha is one of the most frequently debated issues in Agadatantra.

The term Dushi Visha is a combination of two different words that are, 'Dushi' + 'Visha'. 'Dushi' means latent, vitiated. Visha means poison.¹ Acharya susrutha describes dushi visha as a slow-acting poison that accumulates in our body, due to its low potency (because it does not have all ten characteristics of poison) it does not produce acute ill effects but produces chronic illness due to long term exposure to the poison.²

The main causative factors for Dushi Visha mentioned by Acharya Susrutha are Desha (habitat), Kaala (season), Anna (food) and Diwaswapna (day sleep).³ The main symptoms of dushi visha includes bhinnapurisha (loose stools) varna (loss of complexion), mugha vaigandhya (halitosis), mugha vairasyam (tastelessness), pibasa (thirst), murcha (stupor), vamanam (vomiting), gadgatavak (problems with speech) and symptoms of dushi udara⁴. If the dushi visha localize in amashaya it produces kapha and vata rogas. If it is localized in pakvashaya of anila and pitha rogas will be manifested⁵.

In the context of dushi visha, different Agada Yogas are outlined, which can be employed for treatment. Pippalimuladi agada is one of the formulations described in the textbook Kriya Kaumudi by Sri Dr. Trikkariyoor Sivarama Iyer. This article is based on the textual review, and descriptions of pippalimuladi agada were obtained from the text kriya Kaumudi⁶.

The ingredients of pippalimuladi agada as described in Kriyakoumudi along with Rasapanchaka (table no 1).

Objective

1. To study the pharmacological and therapeutic action of pippalimuladi agada.
2. To study the pharmacological and therapeutic action of each ingredient of pippalimuladi agada.

METHODE OF PREPERATION⁷

All the Twelve kashta dravyas (pippalimula, kushta, Pippali, Mayoorashikha, Gaja Pippali, Jatamansi, Gokshura, Yashtimadhu, Syonaka, Chandana, Tagara) will be taken individually and made into course powered and sieved. Shodana of gairika will be done by bhargana with go gritha⁸. All the ingredients will be mixed well in jala and made into gutika of kalaya Pramana



Table 1- Rasapanchaka of ingredients of pippalimuladi agada ^{9,10,11,12,13,14,15,16,17,18,19,20,21,}

Sl.no	Dravya	Rasa	Guna	Veerya	Vipaka	Karma	Doshaghnata
1	Pippali mula	Katu	Tikshana Laghu Snigdha	Anushna	Madura	Dipana Pachana Pliharogahara	KaphaVata hara
2	Kushta	Tikta katu madhura	Laghu ruksha Tikshna	Ushna	Katu	Vishaghna Kushtaghna Shothahara	Kaphavata hara
3	Mayoorashikha	Tikta Kaṣāya Madhura	Laghu Rūkṣa	Śīta	Kaṭu	Viṣaghna	Kapha-pitta hara
4	Pippali	Tikta katu madhura	Laghu ruksha Tikshna	ushna	Katu	Dipana Rasayana Recaka Jwarahara Kustahahara Śulanāśaka	Kaphavata hara
5	Gaja Pippali	Katu	Laghu Rooksha Teekshna	Ushna	katu	Mala vishoshaka	Kapha hara
6	Lodhra	Kashaya tikta	Laghu ruksha	Sheeta	Katu	Vishaghna, Sheetagrahi Chakshushya Shothahara Jwarahara	Pittakapha hara
7	Jatamamsi	Tiktha Kashya Madhura	Laghu Snigdha	Sheeta	katu	Viṣaghna, Dahahara Kuṣṭhahara Visarpanut Twachya,	Tridosha hara
8	Gokshura	Madura	Guru snigdha	Sheeta	Madura	Shothahara Mutrala Bastishodaka Balya, Hrudya	Tridosha hara
9	Yashti madhu	Madura	Guru snigdha	Sheeta	Madura	Vishaghna Balya Chakshushya Varnya Vranahara	Vatapitta hara
10	Gairika	Madhurakas haya	Snigdha vishada	Sheeta	Madura	Vishaghna Dahaghna Rakta stambhaka Kandughna	Pittakapha hara
11	Syonaka	Tikta kashaya katu madhura	Laghu ruksha	Ushna	Katu	Shothahara Vranahara Hrudya Jwaraghna Grahi	Kaphavata hara
12	Chandana	Tikta madhura	Ruksha laghu	Sheeta	katu	Vishaghna Hrudya Vrushya Krimighna Dahahara Jwaraghna	Pittakapha hara
13	Tagara	Tikta, katu, kashaya	Laghu, snigdha	Usha	Katu	Vishaghna Kushtaghna Shophahara Balya Jwaraghna	Kaphavata hara



Table 2 – Drug review ^{22,23,24,25,26,27,28,29,30,31,32,33,34}

Sl.no	Dravya	Latin name	Family	Chemical Constituents	Pharmacological action	Therapeutic action
1	Pippali mula	<i>Piper longum</i> Lin.	piperaceae	Piperine Piperlongumine Piperlonguminine	Stimulant	Agnimandhya Krimi
2	Kushta	<i>Saussurea lappa</i> C.B. Clarke.	Asteraceae	Kushtin, Inulin-betulin, Friedelein, Sigmasteral Saussureal Costunolide	Anti-inflammatory Antibacterial Antiseptic Spasmolytic Hypolipidimic	Visha Kushta Dadru Vataraktha Sotha
3	Mayoorashikha	<i>Actinopteris</i> <i>Dichotoma</i>	Polypodiaceae	Rutin, hentricacontane, B- sitosterol-D (+)- glucoside	Haemostatic	Visha
4	Pippali	<i>Piper longum</i> Lin.	piperaceae	Piperin Piplartine Pipernonaline piperundecalidine	Stimulant Diuretic Digestant Carminative	Udara Agnimandhya Jwara Kushta
5	Gaja Pippali	<i>Scindapsus</i> <i>officinalis</i> (Roxb.)	Araceae	Scindapsin A and B	Appetizer Carminative	Agnimandhya
6	Lodhra	<i>Symplocos</i> <i>racemosa</i> Roxb.	Symplocaceae	Triterpenoid, saponin beta-sitosterol, flavonol, glycoside, Rhamnetin	Haemostatic, Anti -inflammatory Astringent Coagulant	Vishavikara Sotha Raktha pitha Trishna Jwara
7	Jatamansi	<i>Nardostachys</i> <i>jatamansi</i> DC.	Valerinaceae	Jatamansic acid aristolene calarene jatamansin, oroselel, orselone, dihydrojatamansin, angelic acid, jatamansinol	Coolant Analgesic Carminative Anti septic Sedative	Vishavikara Manasa vikara Daha Twak vikara
8	Gokshura	<i>Tribulus</i> <i>terrestris</i> Lin.	Zygophyllaceae	Diosgenin Gitogenin Chlorogenic Harmene, Harmine Kaemperal Quercitin, Rutin	Diuretic Tonic Demulcent	Sotha Hridroga Mutakrechhara Asmari
9	Yashti madhu	<i>Glycyrrhiza</i> <i>glabra</i> Linn	Papillionaceae	Glycyrrhizine Glyzaglabrin Quercitin Glycyrrhizic acid Liqcomarin	Anti-oxidant Anti-inflammatory Anti-microbial Antipyretic spasmolytic	Vishavikara Trishna Daha Vaivarnya Sirasula
10	Gairika	Red ochre	-	-	-	Visha Jwara Raktapradara Daha Vrana Kushta Kandu
11	Syonaka	<i>Oroxylum</i> <i>indicum</i> Lin	Bignonaceae	Chrysin Baicalein Luteolin OroxylinA Scutellarein Myristic Palmitic Stearic	Anti inflammatory Anti-bacterial Diaphoretic	Agnimandhya Ajirna Aruchi Sotha



				Arginine, Aspartic		
12	<i>Chandana</i>	<i>Santalum album Linn</i>	Santalaceae	Santene, Alphasantalol, Beta santalol, Santenone, Teresantol, Santalone, Santalene	Antibacterial Blood purifier Analgesic Cooling Diuretic	<i>Visharoga</i> <i>Rakthapitta</i> <i>Kushta</i> <i>Vrana vikara</i> <i>jwara</i>
13	<i>Tagara</i>	<i>Valeriana wallichii DC</i>	Valerianaceae	Atinidine Carotene Nardol Valeranol Virolin Hexacosmic acid Jatamansic acid	Analgesic anit pyretic Anti-bacterial Diuretic Anti spasmodic	<i>Visha</i> <i>Shula</i> <i>Raktha dosha</i> <i>Unmada</i>

Diagram 1: Analysis of *rasa* of ingredients of pippalimuladi *agada*

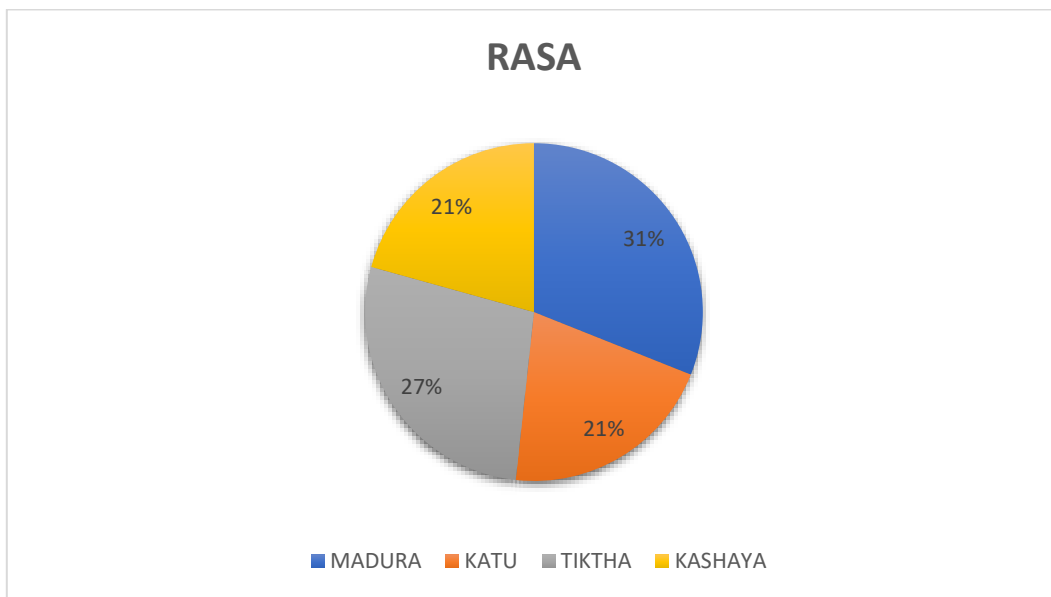


Diagram 2: Analysis of *guna* of ingredients of pippalimuladi *agada*

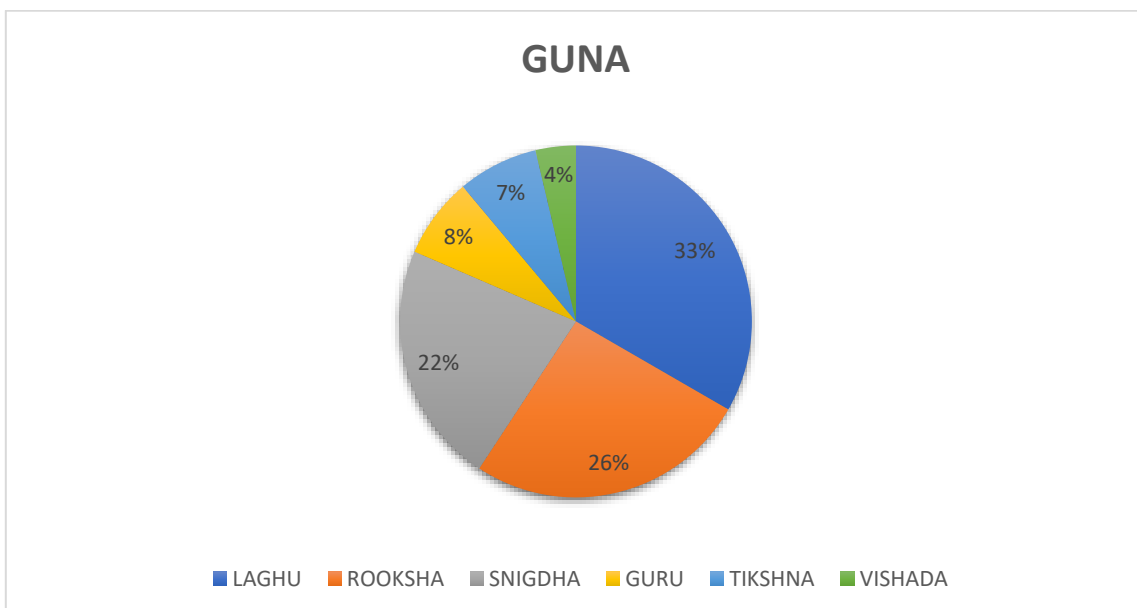


Diagram 3: Analysis of *virya* of ingredients of pippalimuladi *agada*

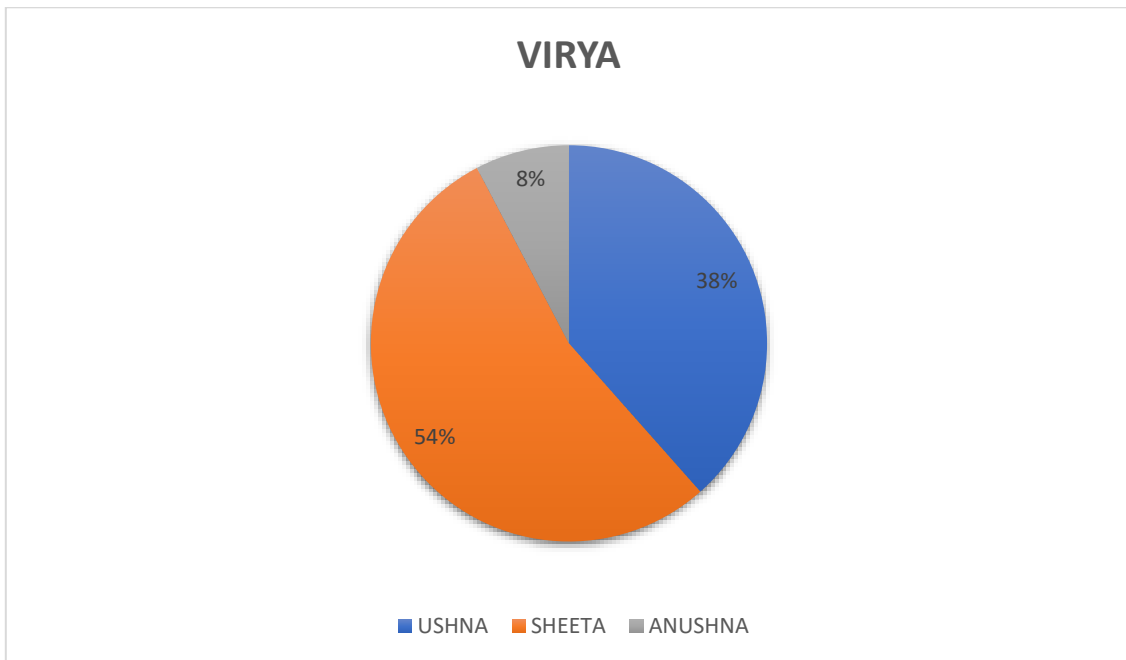
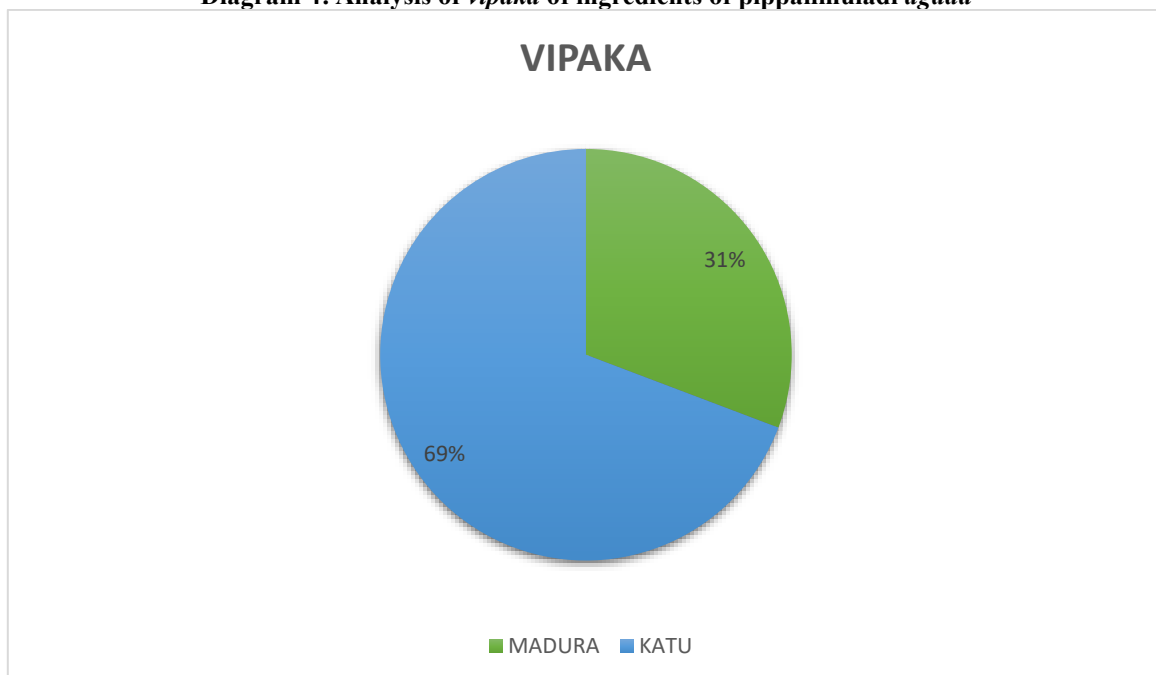


Diagram 4: Analysis of vipaka of ingredients of pippalimuladi agada



DISCUSSION

Pippalimuladi agada is one of the formulations told in *kriya Kaumudi* in context of *Dushi Visha*, which is a herbo mineral formulation mostly contains 13 drugs including one mineral drug.

Based on *Rasa* in this formulation about 31.03% of the drugs having *madura rasa* which is *vata pitha hara*, *ojovardhaka*, *vishahara*, *dahaprashamana*, *twachaya*, *mukha kanda osta jihwaprahladana* and *murcha prashamana* 27.58% of the drugs having *tiktha rasa* which is *pitha kapha hara*, *vishagna dipana pachana*, *kantha shodana Trishna parshamana* and 20.68% of drugs having *katu rasa* which is *kapha hara kandu*

vinashani marga vivrnoti, *kushatgna* 20.68% of drugs are having *Kashaya rasa* which is also *pitha kapha syamaka*, *asravishodaka* (open channels), *artinashaka* (relives pain), *Ropana*³⁵.

Based on *Guna* in this formulation have 33% of the drugs have *laghu guna*, 22% of the drugs have *snigdha* aid in the rapid penetration of *Dravyas* to offer speedier effect on *Visha*. 26% of the drugs having *rooksha guna* 8% of the drug having *guru guna*, 7% of the drugs in the formulation having *teeksha* and 4% of drugs having *vishada guna*

Based on *Veerya* in this formulation 54% of the drugs are *sheeta* which is *pittahara* and *Sthambaka*, *Raktaprasadaka*. 38% of



ingredients have *Ushna Veerya* and it's on *Kapha* and *Vata Dosha* hara helps for digestion of *Dravyas*, and 8% *anushna* ³⁶.

According to the *vipaka* in this formulation 69% of the drugs contain *katu vipaka*, which calms the *Kapha dosha* while 31% of the drugs are having *madhura vipaka*, which maintains *Pitta* and *Vata dosha* ³⁷.

Most of the ingredients in *Pippalimuladi agada vishagna, shulagna, Hridya, Mutrala* etc. This formulation contains drugs like *pippali, pippalimula, gaja pippali*, and others, it serves as *Pachana, Deepana* and keeps *Agni* at the cellular level. The *Vishagna* properties of medications like *Kushta, Mayooraashikha, Lodhra, Jatamamsi, Yashti madhu, Gairika, Chandana, a Tagara*, helps to counter act against the *visha Prabhava*.

CONCLUSION

Based on this examination of the literature, *pippalimuladi agada* may be one of the successful formulations mentioned in *kriyakaumudi* for the treatment of *dushi visha*. All of the medications listed above are not hazardous, Free of risk, readily available, and affordable. The goal of this review is to provide in-depth information on the pharmacological, therapeutic, and medicinal applications of *pippalimuladi agada*.

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