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REVIEW ARTICLE

A DRUG REVIEW ON HEMAGARBHA POTTALI RASA

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ABSTRACT

Introduction: Hemagarbha Pottali Rasa is popular for its action in emergency conditions. Hemgarbha Pottali Rasa were used in different diseases i.e., one medicine can treat many diseases by changing the vehicle according to the diseases. Hemagarbha Pottali Rasa is a milestone in history of Ayurvedic formulation emergency & critical care. Thus, drug reviewing on Hemagarbha Pottali Rasa is the main objective of this article. Material and Methods: Ayurvedic texts, as well as the data bases Google scholar, PubMed, Medline, AYUSH Research Portal, and Digital Helpline for Ayurveda Research Articles (DHARA), Research Gate webbased search engines, journal, were used to search for relevant literature and information. Results: Hemagarbha Pottali Rasa containing Parada, Gandhaka, Swarna Bhasma, Tamra Bhasma, Kumari Swarasa processed with Mridvagni and having properties predominant of Madhura, Tikta and Kashaya Rasa; Guru, Snigdha, Sara and Pichila as Guna; Ushna Virya; Madhura Vipaka; Tridoshahara; having Karma as Deepana, Pachana, Balya, Rasayana, etc., mainly used in Kshaya, Sosha, and Atisara. Conclusion: The classical formulation Hemagarbha Pottali Rasa is a very unique and finds its great utility in management of Kshaya, Sosha.

Keywords: Pottali appearance, Pottali kalpana, Pottali methods

1. INTRODUCTION

Hemagarbha Pottali Rasa is metalo-minaral compound formulation first introduced by *Yogaratnakar*¹., mainly indicated for *Shwasa*, *Kasa*, *Kshaya*, *Vatavyadhi*, *Sannipataja Jwara* & *Sannipatajaavashtha*, *Rasayana*, is popular for its action in emergency conditions. The reference of "*Rasamritam*" suggest its action in *Sannipataja* condition, may be correlated with emergency conditions. *Hemgarbha Pottali Rasa* were used in different diseases i.e., one medicine can treat many diseases by changing the vehicle according to the diseases. *Hemagarbha Pottali Rasa* is a milestone in history of *Ayurvedic* formulationemergency & critical care³.

2. MATERIALS AND METHODS

2.1. Method of review

All the relevant Ayurvedic texts, as well as the data bases Google scholar, PubMed, Medline, AYUSH Research Portal, and Digital Helpline for Ayurveda Research Articles (DHARA), dissertation works from Ayurveda colleges, studies available on Research Gate web-based search engines, journal, were used to search for relevant literature and presented in systematic manner.

2.2. Procurement of Trial Drugs

All the trial drugs i.e. *Hemagarbha Pottali Rasa* was identified. The pharmacognostical, pharmaceutical and microbiological studies of all drugs were carried out in the Pharmacognosy Laboratory, Modern Pharmaceutical Chemistry Laboratory and Microbiology Laboratory for authenticity of raw drugs and shelf lives of finished products.

2.3. Preparation of Drugs

All the drugs were prepared as per the method of preparation as mentioned in Rasamruta.¹

2.4. Materials for Hemagarbha Pottali Rasa

Description of Ingredients of *Hemagarbha Pottali Rasa*, English / Latin name, and its quantities are as given in Table 1:

Sr. No	Ingredients	Latin name/ English name	Part
1.	Shuddha Parada	Processed Mercury	4
2.	Shuddha Gandhaka	Processed Sulphur	2
3.	Swarna Bhasma	Incinerated Gold	1
4.	Tamra Bhasma	Incinerated copper	3
5.	Ghritkumari Swarasa	Aloe barbadensis Mill. (Aloevera)	Q.S.

Table 1: Composition of Hemagarbha Pottali Rasa

3. RESULT

The pharmacological properties of the formulation can be explained on the basis of the individual drug properties as mentioned below:

1. Pharmacological and therapeutic properties of *Parada*:²

Rasapanchaka	Rasa: Shadarasa		
	• Guna: Snigdha, Sara and Guru		
	Virya: Ushna		
	• Vipaka: Madhura		
Karma	• Yogavahi, Rasayana, Vrishya, Balya, Vayastambhana, Pustikarak,		
	Deepana, Agnivardhaka, Deha and Loha Siddhikara, Ropana,		
	Krimighna		
Indication	• Tridoshagna Vyadhi, Vata roga, Vali, Palithya, Jara roga, Sarva		
	Akshi roga, Krimi, Kusta, Sarva roga.		
Therapeutic	• Used as antiseptics, preservatives, parasiticides, fungicides, diuretics		
Uses ³ :	inorganic salts. Externally as antiseptics, mercury salts are used.Its		
	solution is used for disinfecting surgical and obstetric practice.Blue		
	ointment and calomel ointment are used to reduce itching in prurig		
	pruritis, psoriasis, lichen pityriasis of scalp and eczema. As a		
	stimulant and promoter of absorption liniment and various ointm		
	such as oleate, red precipitate, scoltts and red iodide are used		
	promoting the absorption of inflammatory products as in chronic		
	joint disease and periostitis. Mercury is used in certain eye diseases		
	like conjunctivitis, blepharitis and keratitis.		

2. Pharmaco-therapeutic properties of Gandhaka⁴

Rasapanchaka	Rasa: Katu, Tikta, Kashaya.		
	Guna: Sara.		
	Virya: Ushna.		
	Vipaka: Madhura ⁵		
Karma	Tridoshahara, Deepana, Pachana, Shoshana, Vishaghna, Bala- veerya vardhaka, Krimihara, Rasayana, Sootendra veerya prada.		
Indication	Kandu, Kushta, Twakdosha, Aamadosha, Krimidosha, Pleeharoga,		
	Kshaya, Jwara, Netraroga etc.		
Pharmaceutical	Sulphur is used in pharmaceutical skin preparations for the treatment		
use ⁶	of acne other conditions. It acts as a keratolytic and agent and kills		
	bacteria, fungi, scabies mites and other parasites. Precipitated		
	sulphur and colloidal sulphur are used, in form of lotions, creams,		
	powders, soaps, and bath additives, for the treatment of acne		

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	vulgaris, acne rosacea, and seborrhoeic dermatitis.	
Internal	• Sulphur being insoluble in oral liquid shows no change in the	
effects ⁷ :	stomach. In alkaline medium it is converted into alkaline sulphide	
	and suppurate hydrogen, which irritates the intestine and thus causes	
	purgation. Hydrogen sulphide is excreted in faeces and some may	
	also be absorbed again to be excreted in breath During its excretion	
	in the breath, it may exercise an antiseptic and stimulant action in	
	chronic bronchitis and asthma.	

3. Pharmaco-Therapeutic Properties of Tamra:

Rasapanchaka	 Rasa: Kashaya, Tikta, Madhura, Amla Guna: Sara, Laghu. 		
	Virya: Ushna		
	Vipaka: Madhura		
Karma-	• Tridoshahara, Ayushyam, Alpa Brimhanam, Urdhvadha		
	parishodhana, Kshutkarakam, Netryam, Rasayana, Ruchya,		
	Ropanam, Lekhanam, Saram, Sarakam, Deepana		
Indication	• Aadhmana, Aruchi, Ayuraghnam, Balapahatva, Bhrama, Bhranti,		
	Chittasantap, Chittatapa, Daha, Dhatushosha, Gatratapa,		
	Kantighnatva, Kledanam, Krimi, Kushtham, Madah, Moha		
	Murchcha, Shoola, Shosha, Sweda, Udara, Utkleda, Utklesha, Vami,		
	Vireka, Viryapahatva		

4. Pharmaco-Therapeutic Properties of *Swarna*:⁸

Rasapanchaka	• Rasa: Madhura and Kashaya		
	Guna: Sheeta, Guru, Snigdha and Picchila.		
	Virya: Sheeta		
	• Vipaka: Madhura		
Karma - ^{9,10,11}	Hrdya, Bruhmaniya, Rasayana, Chakshushya, Vishahara, Ayu, Lakshkmi, Pavitra, Kanti, Buddhi and Smruti Vardhaka, Sukha janaka, Mehanashaka, Garavishahara.		
Indication ¹²	 Tridoshahara. Vyadhiprabhava¹³ - Granti, Visarpa, Vishagarodbhava roga. 		

Latin Name	Aloevera Tourn.ex.Linn.	
Family	Liliaceae	
Synonyms	Sthooldala, Ghritkumari, Vipulsrava	
Vernacular Name	• English Name: Indian aloe	
	Hindi Name: Gheekuvar	
Part Used	Leaves, Pulp	
Rasapanchaka ¹⁴	• Rasa: Tikta, Madhura	
	• Guna: Snigdha, Picchila	
	• Virya: Sheeta	
	• Vipaka: Madhura	
	• Doshakarma: Kaphapittashamaka	
Karma ¹⁵	• Bhedana, Rasayana, Netrya, Brahmana, Balya, Vrasya,	
	Vishahara, Jwarahara, Kusthaghna	
Therapeutic uses ¹⁶	• Yakrutvikara, Gulma, Pleeharoga, Granthi, Agnidagdha,	
	Visphota, Pittavikara, Raktavikara, Twakvikara, Jwara,	
	Netraroga, Visha	
Chemical	 Aloin (crystalline glycoside), Anthraquinone (Aloe emodin or 	
constituents	trihydroxy methyl), Resin, Volatile oil, Gallic acid ⁱ .	
Pharmacological	• Laghu, Rusksha, Ushna, Teekshna, Bhedana, Artavajanana,	
actions	Krimighna, Deepana, Pachana, Balya.	

5. Pharmaco-Therapeutic Properties of Kumari

Table 2: Average of Pharmacodynamics of Hemagarbha Pottali Rasa

Properties	Observations in <i>Hemagarbha Pottali Rasa</i>	
	Total No. of Drugs	Percentage%
Rasa		
Madhura	4	80
Amla	2	40
Katu	2	40
Lavana	1	20
Tikta	4	80
Kashaya	4	80
Guna		
Guru	2	40
Laghu	1	20

3	60
1	20
3	60
2	40
5	100
3	60
2	40
4	80
5	100
5	100
2	40
2	40
4	80
2	40
3	60
1	20
1	20
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

4. **DISCUSSION**

Hemagarbha Pottali Rasa is a metal-based medicine that are mentioned in several *Rasasastra* literature and has the properties to cure various illnesses. *Hemagarbha Pottali Rasa* containing *Parada*, *Gandhaka*, *Swarna Bhasma*, *Tamra Bhasma*, *Kumari Swarasa* processed with *Mridvagni* and having properties predominant of *Madhura*, *Tikta and Kashaya Rasa; Guru*, *Snigdha*, *Sara and Pichila as Guna; Ushna Virya; Madhura Vipaka; Tridoshahara;* having *Karma as Deepana*, *Pachana*, *Balya*, *Rasayana*, etc., mainly used in *Kshaya*, *Sosha*, and *Atisara* and also known as *Balya*, *Rasayana*, *Vayastambhana*, *Pustikarak*, *Yogavahi*, *Vrishya*, and *Sarv Vyadhi Nashak*. *Acharya Yadavji Trikamji* in *Rasamritham*¹⁸ can be used in *Kasa*, *Shwasa*, *Kshaya*, *Vatakapha*, *Grahani*, *Sarvaroga*. In *Kushtha Roga* and *Kasa*, *Shwasa*, *Gandhaka* are used. Swarna Bhasma is effective in *Visama Jwara* and used as *Vrushya*, *Medhya*, and *Rasayana*. *Tamra Bhasma* has qualities of *Lekhana* and *Pittasaraka*, and is effective in Kapha- and Pitta dominance-related disorder¹⁹.

5. CONCLUSION:

Hemagarbha Pottali Rasa mainly having properties like Madhura, Tikta and Kashaya Rasa; Guru, Snigdha, Sara and Pichila as Guna; Ushna Virya; Madhura Vipaka; Tridoshahara; having Karma as Deepana, Pachana, Balya, Rasayana, etc., mainly used in Kshaya, Sosha, and Atisara.

COMPETING INTEREST

No competing interest exist.

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