Review Articles

Therapeutic uses of Swarnamakshika Bhasma (A Critical Review)

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Abstract

Mineral drugs play an important role in *Ayurvedic* therapeutics. Looking to the superiority of the metals and minerals to that of herbal and animal drugs, the *Rasavaidyas* went on experimenting clinical trials over lot of metals and minerals and systematically separated some of them which were exclusively active therapeutically. *Swarnamakshika* is one such mineral which after proper purification and incineration become highly potent and utilised for diseases like *Jwara*, *Pandu*, *Prameha*, *Shwasa*, *Kasa*, *Kushtha*, *Anidra*, *Apasmar* etc.

Key words: Swarnamakshika, Herbomineral, Pandu, Jwara, Prameha, Shwasa, Kasa.

Introduction

Disease is one of the main causes of sorrow. It influences the total efficiency of human beings, resulting in inability to carry on their routine activities. Medicine is the tool by which the disease can be prevented or cured or controlled.

The history of medicine is very ancient. Literature reveal the chronological development of medicaments. Earlier, the herbs were more prevalent but later on when the therapeutic value of minerals and their processing were known and developed then these were also came in frequent use for medicinal purposes. The sources of drug material are herbal, mineral and animal. These are used in various forms in *Ayurvedic* therapeutics.

According to Ayurveda, equilibrium of Dosha, Dhatu and Mala are responsible for positive health. The herbs and minerals are equally efficient to check the imbalance which occurs during the diseased state. Due to certain better qualities like prompt action, small doses, tastelessness, effectiveness in incurable diseases and long shelf life, mineral preparations are preferred over herbal formulations. Raw materials of the mineral preparation are Mercury, Gold, Silver, Copper, Iron, Lead, Tin, Zinc, Mica, Sulphur etc.

Body consists of more than 70 elements and the deficiency of these essential elements causes various

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disorders. The supplements of these elements are required in very small amount. Hence the *bhasmas* of metals and minerals are effective in small doses. These preparations are considered potent for the curative and preventive purposes and also provide strong and healthy body and delays ageing.

Swarnamakshika is well known material used to treat various diseases in the form of *bhasma* successfully since centuries as single or compound preparation with other herbomineral drugs. There are so many compound preparations mentioned in ancient texts in contexts of treatment of various diseases. In this article it has been tried to compile some effective formulations of *Swarnamakshika bhasma* from the Ayurvedic literature and presented in a classified way along with its pharmaceutical procedure.

Discussion

Swarnamakshika is a mineral of MAharasa varga used by Rasavaidyas as therapeutics since Samhita period. Specific description about its therapeutic use has not been made available during Vedic period. However in Samhita period, use of Swarnamakshika bhasma is made available in certain Rasayogas, but the pharmaceutical processing of conversion of raw Swarnamakshika into such form to make it suitable for therapeutic use, is not available in any Samhitas. But in text of Post Nagarjuna period, systemic and detailed description about identification, varieties, physical properties, Shodhana, Marana and its therapeutic use as bhasma alone or with other herbominerals, are described. In this study, it is found that Swarnamakshika bhasma is a therapeutic agent with

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	le 1: Swarnamakshik					
1.	Synonyms ^{1,2,3}	Madhudhatu, Tapeeja, Madhumakshika, Makshikadhatu, Tapya, Sonamakhi, Peetaka, Kshudradhatu, Avarta, Apeeta, Nadeej, Tapyadhatu, Kanchanabhasa, Hemamakshika etc ^{1,2,3}				
2.	Chemical Name	Copper Iron Pyrite (Cu FeS ₂)				
3.	<i>Varna</i> ₄ (colour)	Swarna varna ⁴ (Bright Yellow Colour with slightly bluish tinge)				
4.	Grahya Swarupa⁵	Swarnavarna (Golden appearance), Nishkona (Without angle), Guru (Heavy), Snigdha				
	(Ideal characteristics)	(Smooth), Produces golden lining on touching stone etc ⁵ .				
5.	Àgrahya Swarupa ⁶	Khara (Rough), Gurutaviheena (Light), Pravritakona (With angle) Kharlohakabhama (Lustre like khara variety of loha)				
6.	Specific density	5				
7.	Hardness	6				
8.	Types ⁷	1. Swarnamakshika				
		2. Rajatmakshika				
9.	Shodhana ^{8,9,10}	Bharjana in Nimbu Swarasa till red hot for 3 days.				
		Or				
		Nirvapana in Nimbu swarasa for 21 times.				
		Or				
		Swedana in Kadalikanda swarasa till 1 hour.				
10.	Marana ^{11,12,13}	Triturated in <i>Nimbu Swarasa</i> and subjected to puta for 10 times. Or				
		Mix equal amount of Sulphur, triturated with <i>Nimbu swarasa</i> and subjected to puta for 5 times. Or				
	0.1	Mix 1/8 part of <i>Hingula</i> , triturated with <i>Nimbu swarasa</i> and subjected to puta for 8 times.				
11.	Satvapatana ^{14,15,16}	Mix 1/30 part of Purified Naga, doubled quantity of Kshara traya rubbed in sour liquid, prepared				
		a ball, dried, kept in an open crucible and subjected to intense fire.				
		Or Nix 1/ most Tan/and lands in a smallel back interest fire				
		Mix ¼ part <i>Tankana,</i> kept in a crucible and subjected to intense fire				
		Or Triturated with Comutro, Frand taila, Kadalikanda awarasa and Coghrita 7 times in each liquid				
		Triturated with Gomutra, Erand taila, Kadalikanda swarasa and Goghrita,7 times in each liquid,				
12.	Satvamarana ¹⁷	kept in a crucible and subjected to intense fire.				
12.	Salvamarana	Mix with equal quantity of Purified Parada and Gandhaka, triturated with Nimbu swarasa and				
10		subjected to three intense puta.				
13.	Guna ¹⁸	Rasa-Madhura & Tikta, Guna - Snigdha, Virya - Sheeta, Vipaka - Katu Dosha-				
- 4	Veradhi Drahhavrato 20	Tridoshashamaka, Karma-Vrishya, Yogavahi, Rasayana, Chakshushya etc.				
14.	Vyadhi Prabhava ^{19,20}	Jirna Jwara, Apasmar, Mandagni, Aruchi, Anidra, Pandu, Shotha, Kushtha, Kshaya, Prameha etc.				
15. 16.	Dose ²¹	½ to 2 <i>Ratti</i> Vidance, Trikety, Tripholo, Chrite				
10.	Anupana ²²	Vidanga, Trikatu, Triphala, Ghrita				

Table 2: Formulations containing Swarnamakshika Bhasma and their Uses

Sr.	Formulation	Ingredient	Ingredient	Processed in	Indication
No.		Metals/Minerals	Herbal/Others		
1	Apoorvamalinivasanta <i>Rasa</i> (B.R.37/184-186)	Rasasindura, Abhraka, Tamra, Rajata, Vanga, Pravala, Loha & Sankha- bhasma Shu.Tankana	Kasturi, Karpura	Shatavari & Haridra kwatha	Prameha, Jirnajwara, Mutrakrichha, Ashmari
2	Chandraprabha Vati (B.R.37/102-110)	Loha bhasma Shu. Shilajatu	Guggulu, Karpura, Vacha, Motha, Chiraita, Devadara, Haridra, Ativisha, Daruharidra, Trikatu, etc.	Triphala kwatha	Prameha, Ashmari, Mutraghata, Pandu Kamala, Halimaka, Shwasa, Kasa, Kushtha etc.
3	Chintamani Rasa (R.S.S. Jwara/ 317-322)	Kajjali, Loha, Tamra, Rajata, Swarna, Kharpara, Kamshya, Vanga, Pravala & Mukta bhasma, Shu. Kasisa, Shu. Haratala etc.	Shu. Tankana, Karpura		All types of Jwara, Kasa, Shwasa, Shotha, Pandu, Halimaka, Yakrita & Pliha roga etc.
4	Kamadhenu Rasa (B.R.88/27-28)	Rasasindura, Abhraka, Naga, Swarna, Rajata & Kharparbhasma	Karpura	Kamala pushpa Swarasa	Prameha,Jirnajwara, <i>Rajayakshama</i> etc.
5	Purnachandra Rasa (B.R. 74/71)	Rasasindura, Abhraka, & Lohabhasma, Shu. Shilajatu	Vidanga churna	-	Vrishya

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Tab	Table 2: Contd/-						
	Formulation	Ingredient	Ingredient	Processed in	Indication		
No		Metals/Minerals	Herbal/Others				
6	Rasa Raja Rasa (B.R.5/913-916)	Kajjali, Shu.Manahsila, Shu. Haratala, Tamrabhasma, Shu. Bhallataka	-	Snuhi dugdha	All type of <i>Jwara</i>		
7	Ratna Garbha Pottali (B.R.14/178- 180)	Rasasindura,Swarna, Vajra, Rajata,Tamra, Mukta, Pravala, Shankhabhasma, Shu. Tuthya & Tankana	Maricha churna	Chitraka kwatha, Arka dugdha, Nirgundipatra swarasa, Adrakaswarasa	All types of Jwara, Rajayakshama, Ashamari, Kushtha, Prameha, Arsha, Udararoga, Kasa Bhagandara, Shwasa, Atisara etc.		
8	Shakraballabha Rasa (B.R.75/15-18)	Kajjali, Loha, Abhraka, <i>Rajata</i> & <i>Swarnabhasma</i>	Vanshalochana, Bhanga beej	Bhanga kwatha	Shukradosha, Shighrapatana		
9	Shwasakasa <i>Chintamani</i> <i>Rasa</i> (B.R.16/57-59)		-	Kantakari & Tambulapatra Swarasa Ajadugdha & Mulethi kwatha	Kasa, Shwasa		
10	Sarveshwara Rasa (B.R.37/116-119)	Swarna, Rajata, <i>Mukta</i> & Lohabhasma Shu. Shilajatu	Mulethi, Trikatu	Bhringaraja & Bhanga Swarasa	All types of Prameha		
11	Vasantatilaka Rasa (B.R.37/116-119)	Loha, Vanga, Swarna, Abhraka, Pravala, Rajata & Muktabhasma	Javitri, Jayaphala, Dalchini, Ela, Tejapatra, Nagakeshara	Triphala Kwatha	Prameha, Vataja, Pittaja & Kaphaja Vyadhi, Apasmara, Visuchika, Unmada etc.		
12	Vatagajankusha Rasa (B.R.26/116-120)	Rasasindura, Loha, <i>Shu.</i> Gandhaka, Haratala & Tankana	Haritaki, Karkatashringi, Trikatu, Agnimantha Shu.Vatsanabha	Mundi & Nirgundi Swarasa	All Vata Vyadhi		
13	Yogaraja Rasa (C.S.16/80-86)	<i>Lohabhasma</i> & Shu. Shilajatu	Trikatu, Triphala, Chitrakamoola, Vidanga, Mishri	Madhu	Pandu, Kasa, Kushtha, Arsha, Prameha, Aruchi, Kamala, Apasmara, Shwasa, etc.		
14	Sawasachintamani <i>Rasa</i> (B.R.16/53-55)	Kajjali, Swarna, Loha & <i>Abhrakabhasma</i>	-	Kantakari, Adraka Ajadugdha Mulethi Kwatha	Shwasa, Kasa, Rajayakshama		
15	Piyushavalli Rasa (B.R. 8/334-345)	Kajjali, Abhraka, Loha & <i>Rajatabhasma Shu.</i> <i>Tankana</i>	Rasanjan, Lavanga, Shwetachandana, Patha, Shwetajiraka, Ativisha, Lodhra, Jayaphala, Shunthi, Dadima patra etc.	Bhringaraja Swarasa & Ajadugdha	Atisara,Trishna, Jwara, Sangrahani, Aruchi, Vamana, Gulma, Udararoga, Kamala Raktapradara,Pandu		
16	Balarogantaka Rasa (B.R.71/112-118)	Kajjali	Maricha	Bhringaraja, Nirgundi, Kakamachi, Shalincha, Grismasindura & Aparajita Swarasa	Tridoshaja & Amaja		
17	Dantodabheda <i>Gadantaka Rasa</i> (B.R.71/112-118)	Abhraka & Lohabhasma	Panchakola, Ela Ajamoda, Yavani, Haridra, Mulethi, Daruharidra, Devadaru, Vidanga, Nagakeshara	Dugdha	Dantodabhavajanya Vyadhi		
18	Makshikadi Vati (B.R.64/237-239)	<i>Kajjali, Abhraka</i> & Swarnabhasma, Muktapishti	-	Kakamachi Patra Kwatha	Netra Roga		
19	Makshikadi Churna (B.R.88/25-26)	Kajjali, Abhraka, Loha & Kharparabhasma, Shu. Shilajatu, Shu.Gairika	Shalmali Pushpa, Moola & Twak, Vidarikanda, Gokshura beeja	-	Shukrameha		
20	Indushekhara Rasa	Rasasindura,	-	Bhringaraja,	Jwara, Shwasa, Kasa, Contd .		

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 Lohabhasma, Shu. Haratala, Shu.Shilajatu Lavanga Charatala, Shu.Shilajatu Garbhavinoda Rasa (B.R. 60/82-83) Brihat Garbhachintamani Kajjali, Swama, Rajata, Basa (B.R. 60/91-93) Prabhakara Vati Loha Abhraka Vangabhasma, Shu. Haratala Prabhakara Vati Loha Abhraka Vangabhasma, Shu. Haratala Prabhakara Vati Loha Abhraka Vangabhasma, Shu. Haratala Prabhakara Vati Loha A Abhraka Vangabhasma, Shu. Haratala Prabhakara Vati Loha A Abhraka Vangabhasma, Shu. Manahsila Panchalohabhapati Rasa Kajjali, Jabhraka, Loha, Shu. Kasisa Panchavaktra Rasa (R.Y.S., P-20/249-261) Panchavaktra Rasa (R.Y.S., P-20/249-261) Panchawatha Rasa (Kajjali, Loha, Abhraka & Loha & Sauvarchala Lavana etc. Agnisandipana Rasa (R.Y.S., P-43/331) Garahanikapata Rasa (Kajjali, Loha, Abhraka, Shigumaola Sumamoola Chiraka, Shamoola (R.Y.S., P-43/331) Garahanikapata Rasa (Kajjali, Loha, Abhraka, Shiguma Sumama Sub. Shigalabhasma Shu. Haratala Agnisandipana Rasa (Rijali, Loha, Abhraka, Shiguma Sumama Sub. Haratala Agnisandipana Rasa (Rijali, Loha, Abhraka, Shiguma Sumama Sub. Haratala Sumama Sub. Haratala Sumama Sub. Haratala Garahanikapata Rasa (Kajjali, Loha, Abhraka, Shiguma Sumama Sub. Haratala Garahanikapata Rasa (Kajjali, Loha, Abhraka, Suama Sub. Haratala Garahanikapata Rasa (Kajjali, Loha & Kajarahasma Sub. Haratala Yangabhasma Sub. Jayaphala, Sub. Akaratala Yangabhasma Sub. Jayaphala, Sub. Jayaphala, Sub. Jayaphala, Sub. Jayaphala, Sub. Jayaphala, Sub. Jayaphal	Sr. Formulation	Ingredient	Ingredient	Processed in	Indication
 Lohabhasma, Shu. Haratala, Shu.Shilajatu Lavatala, Shu.Shilajatu Jaktati, Javitri, Lavanga Jaktati, Javitri, Javitri, Lavanga Jaktati, Javitri, Javaphala, Biharda Vata, Shu. Jajatabhasma, Shu. Manahsila Panchalohabhapati Rasa Kajiali, Jamra, Loha, Shu. Kasisa Panchalohabhapati Rasa Kajiali, Shu. Manahsila Panchavaktra Rasa (R.Y.S., P-20/ 249-261) Jamrabhasma Samapa Kajiali, Jahraka Loha & Lohabhasma Panchawatira Rasa (R.Y.S., P-20/ 249-261) Jamrabhasma Kajiali, Abhraka & Loha & Lohabhasma Kajiali, Jahraka Loha & Lohabhasma Chirata, Kutaki, Jayaphala Grahanikapata Rasa Kajiali, Jahraka & Loha & Jayaphala Grahanikapata Rasa Kajali, Abhraka & Loha & Jayaphala Grahanikapata Rasa Kajali, Abhraka & Loha & Jayaphala Grahanikapata Rasa Kajali, Loha, Abhraka, Jayaphala, Mingurdi, Furamava, Vatarog Munoli, Kutha, Kwatha Samapa Kajala, Shu. Haratala Samapa Kajala, Shu. Haratala Yanga Rajata, Swaraa & Saundhava & Saundhava & Saunara & Saundhava & Saunaka & Saunaka & Saunaka & Saunaka & Saunaka &	ا ه.	Metals/Minerals	Herbal/Others		
21 Garbhavinoda Rasa (B.R. 68/82-83) Shu. Hingula Trikatu, Javitri, Lavanga Water All dise: Pragna 22 Brihat Garbhachintamani Kajjali, Swarna, Rajata, Rasa (B.R.68/91-93) Abhraka & Vangabhasma, Shu. Haratala - Brahmi, Vasa, Brihngaraja, Shu. Haratala Pregna Dahamoola & Kwatha 24 Brabar Achinaka & Vangabhasma, (B.R.15/146-152) Sha Abhraka Swarna & Rajalabhasma, Shu. Manahsila Javitri, Jayaphala, Jatamansi, Lavanga, Bala, Motha & Araiaki Swarasa Brihat Panchamoola, Jirnajwa Bala, Motha & Araiaki Swarasa Jarina Yataga Yatajapara 26 Panchaobahapati Rasa (R.Y.S.P-7/72-78) Kajjali, Shu. Manahsila Shu. Kasisa Trikatu, Pippali, Kasjali, Abhraka, Loha & Shu. Kasisa Trikatu, Pippali, Trikatu, Pippali, (R.Y.S.P-20/ 249-261) Matsya & Mayura Yataga Yatajap Kasa, K Agnisandipana Rasa (R.Y.S. P-43/331) Kajjali, Abhraka & Kajjali, Abhraka & Chirata, Kutaki, Jayaphala Trikatu, Pippali, Kuchala, Tumbaru, Renuka, Bhingaraja Chirata, Kutaki, Jayaphala Matsya & Mayura Yataga Yatajap Yatajap Yatajaparabhasma Vataga Yatajap Yatajap Yatajap Yatajap Adiraka Swarasa Yataga Yatajap Yatajap Yatajap Yatajap Yatajap Panchawaka Yataga Yatajap Yatajapaha Panchawaka Yataga Yatajap Yataja	(B.R.68/94-98)	Abhraka, Pravala & Lohabhasma, Shu.		Nirgundi, Kutaja &	Grahani, Vamana Shirahshula, Raktatisara, Agnimandya, Alasya, Daurbalyat
22 Brihat Garbhächintamani Kajjali, Swarna, Rajata, Rasa (B.R.68/91-93) Abhraka & Vangabhasma, Shu. Haratala Brahmi, Vasa, All diser, Bhringaraja, Pregnar, Dashamoola & Kwatha 23 Prabhakara Vati Loha & Abhraka bhasma, (B.R.33/42-43) Shu. Shilajatu Avint, Jayaphala, Javarna, Kajjali, Abhraka Swaraa Javitri, Jayaphala, Latamansi, Lavanga, Ela, Talishapatra Brihat Panchamoola, Jirnajwe, Arsha, Yasa, Mitha & Arsha, Yasa, Kwatha 25 Panchalohabhapati Rasa Kajjali, Johraka Swaraa, (R.Y.S., P-7/72-78) Kajali, Shu. Manahsila Trikatu, Pippali, Matsya & Mayura Sangiya Kasa, Kasanabha Brahar, Watarog Valagay Kasa, Kajali, Johraka, Loha & Trikatu, Triphala, Trikatu, Triphala, Trikatu, Shirgrumoola & Murchh Kucha, Kuchala, Shunthi, Maricha, Amlavetasa, Saindhava & Sainathava & Shwase (R.Y.S., P-20/ 249-261) Tamrabhasma Trikatu, Triphala, Turkatu, Shirgrumoola & Murchh Kwatha All Type Prita 28 Agnisandipana Rasa (Rihat) Kajjali, Loha, Abhraka & (R.Y.S., P-43/331) Kajjali, Abhraka & Swama & Kajaili, Abhraka & Sawarasa Bahum (R.S.S., P-416/10-16) Kajaga, Rajata, Swama & Kharparabhasma (R.S.S., P-137/ 67-68) Jayaphala Jeera, Pippali, Mutha, Saindhava & Sauvarchala Lavana etc. Sauvarchala Lavana etc. 29 Somanatha Rasa (Brihat) Kajjali, Loha & Kharparabhasma (R.S.S., P-137/ 67-68) Kajadi, Abhraka, Swama & Kaparatahasma Shu. Haratala Sauvarchala Lavana etc. Sauvarchala Lavana etc. Sauvarchala Lavana etc. <t< td=""><td></td><td>Shu. Hingula</td><td></td><td>Water</td><td>of Pregnant womer All disease of Pregnant women</td></t<>		Shu. Hingula		Water	of Pregnant womer All disease of Pregnant women
 Prabhakara Vati (B.R.33/42-43) Shu.Shilajatu Nityodaya Rasa (B.R.15/146-152) Panchalohabhapati Rasa (R.Y.S., P-7/72-78) Panchalohabhapati Rasa (R.Y.S., P-7/72-78) Panchavaktra Rasa (R.Y.S., P-20/249-261) Panchavaktra Rasa (R.Y.S., P-20/249-261) Panchandipana Rasa (R.Y.S., P-4/3/331) Agjali, Abhraka & Arajaki, Shavasa (R.Y.S., P-416/10-16) Agjali, Abhraka & Arajaki, Shavasa (R.Y.S., P-40/8-89) Panchandipana Rasa (R.Y.S., P-20/249-261) Somanatha Rasa (R.Y.S., P-416/10-16) Yasanabhasma Kajjali, Loha, Abhraka & Lohabhasma Kajjali, Loha, Abhraka & Kajjali, Loha, Abhraka & (R.Y.S., P-416/10-16) Yasanatha Rasa (R.Y.S., P-416/10-16) Yasanatha Rasa (R.Y.S., P-17/76-76) Yataratala Yataratala Rasa (R.Y.S., P-137/67-68) Yataratala Y	22 Brihat Garbhachintamani	Abhraka & Vangabhasma,	-	Bhringaraja, Dashamoola &	All disease of Pregnant women
24 Nityodaya Rasa (B.R. 15/146-152) Kajjali, Abhraka Swama A Rajatabhasma, Shu. Manahsila Javitri, Jayaphala, Jatamansi, Lavanga, Ela, Talishapatra Bala, Motha & Arsha, Y Amalaki Swarasa Arsha, Y Arsha, Y Aralaki Swarasa 25 Panchalohabhapati Rasa (R.Y.S., P-7/72-78) Kajjali, Tamra, Loha, Shu. Kasisa Vatsanabha Hansaraja Swarasa Arsha, Y Aralaki Swarasa Arsha, Y Aralaki Swarasa 26 Panchavaktra Rasa (R.Y.S., P-9/88-89) Kajjali, Abhraka, Loha & Tamrabhasma Trikatu, Pippali, Trikatu, Triphala, Trikatu, Triphala, Kuchala, Tumbaru, Renuka, Bhringaraja Matsya & Mayura Shira Swarasa Mardag Arandu, Warda Mandag 28 Agnisandipana Rasa (R.Y.S., P-43/331) Kajjali, Abhraka & Lohabhasma Jeera, Pippali, Kutha, Vidarga, Chavya, Chitraka, Smunthi, Maricha, Amlavetasa, Saindhava & Sauvarchala Lavana etc. - Ghritakumari Swarasa Somano Murdi & Guduchi Kwatha 29 Somanatha Rasa (Brihat) Kasjali, Loha, Abhraka, (R.Y.S., P-416/10-16) Vanga, Rajata, Swaraa Shu. Haratala & Tankana Shu. Haratala & Tankana - - Ghritakumari Swarasa - 31 Katuribhairava Pasa (Brihat) (R.S.S., P-158/ (R.S.S., P-158/ (Br.S.S., P-157/67-68) Rasasindura, Abhraka, Tamra & Lohabhasma Nagarmotha Mulethi, Draksha Shu. Haratala Triphala, Trikatu, Shu. Jayaphala, Shu. 32 Vatapittantaka Rasa (B.S.S., P-157/67-68) Tamra & Loh			Vanshalochana		Hridaya Roga
 (R.Y.S.,P-7/72-78) Mainikya & Rajatabhasma, Shu. Kasisa Panchavaktra Rasa (R.Y.S.,P-9/88-89) Panchamrita Rasa (R.Y.S.,P-20/249-261) Panchamrita Rasa (R.Y.S.,P-20/249-261) Panchamrita Rasa (R.Y.S.,P-20/249-261) Tamrabhasma Kajjali, Abhraka, Loha & Tamrabhasma Kajjali, Abhraka, Loha & Tamrabhasma Kajjali, Abhraka, Loha & Tamrabhasma Kajjali, Abhraka, Loha & Tamrabhasma Agnisandipana Rasa (R.Y.S., P-43/331) Lohabhasma Kajjali, Loha, Abhraka, (R.Y.S., P-43/331) Lohabhasma Somanatha Rasa (Brihat) Kajjali, Loha, Abhraka, R.S.S.,P-416/10-16) Kasturibhairava Rasa (R.S.S.,P-137/67-68) Vatapinatabhairava Rasa (B.R.S/734-742) Vatapinatabhairava Rasa (B.R.S/734-742) Kajali, Loha, Abhraka, Rasasindura, Abhraka, Rasasindura, Abhraka, Saunabhasma Kasturibhairava Rasa (B.R.S.T.P.437/67-68) Sannipatabhairava Rasa (B.R.S.T.Ya-137/67-68) Sannipatabhairava Rasa (B.R.S.T.Ya-147/20) Kasturibhairava Rasa (B.L.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.	24 Nityodaya Rasa	Kajjali, Abhraka Swarna & Rajatabhasma, Shu.	Jatamansi, Lavanga,	Bala, Motha &	Jirnajwara, Kasa, Arsha, Yakshama, Pandu, Prameha
 (R.Y.S.,P-9/88-89) Panchamrita Rasa (R.Y.S.,P-20/249-261) Tarrabhasma Kajjali, Abhraka, Loha & Trijataka, Motha, Kuchala, Tumbaru, Renuka, Bhringaraja Chiraka, Kakamachi, Kapharou, Renuka, Bhringarai, Chiraka, Katamachi, Kapharou, Renuka, Bhringarai, Chiraka, Katamachi, Kapharou, Renuka, Bhringarai, Shuaka & Chiraka, Shunthi, Maricha, Amlava & Sauvarchala Lavana etc. Somanatha Rasa (Brihat) Kajjali, Loha, Abhraka, (R.S.S.,P-137/97-89) Kasunibhairava Rasa (R.S.S.,P-137/67-68) Sannipatabhairava Rasa (B.R.5/734-742) Sannipatabhairava Rasa (B.R.5/734-742) Kapi and Abhraka, Tama, Naga & Swamabhasma Shu. 		Manikya & Rajatabhasma,	Vatsanabha	Hansaraja Swarasa	Vishamajwara, Vataroga, Shwasa, Vatajaprameha, Kasa, Kshaya, Pandu, Kamala etc
 Panchamrita Rasa (R.Y.S., P-20/249-261) Kajjali, Abhraka, Loha & Trikatu, Triphala, Trijataka, Motha, Kuchala, Tumbaru, Renuka, Bhringaraja Chiraita, Kutaki, Jayaphala Agnisandipana Rasa (R.Y.S., P-43/331) Agnisandipana Rasa (R.Y.S., P-43/331) Kajjali, Abhraka & Lohabhasma Somanatha Rasa (Brihat) Kajjali, Loha, Abhraka, (R.S.S., P-416/10-16) Vanga, Rajata, Swarna & Kajjali, Loha & - Grahanikapata Rasa (Brihat) Kasturibhairava Rasa (Brihat) Kasturibhairava Rasa (Brihat) Kasturibhairava Rasa (Brihat) Kajjali, Loha & - Kasturibhairava Rasa (Rijali, Loha, Abhraka, (R.S.S., P-158) Yatapittantaka Rasa (Rijali, Loha, Abhraka, (R.S.S., P-137/ 67-68) Yatapittantaka Rasa (Rijali, Loha, Abhraka, (B.S.S., P-137/ 67-68) Sannipatabhairava Rasa Kajjali, Loha, Abhraka, (B.S.S., P-137/ 67-68) Sannipatabhairava Rasa (Kajjali, Loha, Abhraka, (B.S.S		Kajjali, Shu. Manahsila	Trikatu, Pippali,		Sannipataja Murchha
 Agnisandipana Rasa (R.Y.S., P-43/331) Kajjali, Abhraka & Lohabhasma Lohabhasma Vidanga, Chavya, Chitraka, Shunthi, Maricha, Amlavetasa, Saindhava & Sauvarchala Lavana etc. Somanatha Rasa (Brihat) Kajjali, Loha, Abhraka, (R.S.S.,P-416/10-16) Vanga, Rajata, Swarna & Kharparabhasma Grahanikapata Rasa (R.S.S.,P-229/93-94) Kasturibhairava Rasa (Brihat) (R.S.S.,P-158/ 177-182) Vatapittantaka Rasa (R.S.S.,P-137/ 67-68) Vatapittantaka Rasa (B.S.S.,P-137/ 67-68) Sannipatabhairava Rasa (B.R.5/734-742) Kajjali, Loha, Abhraka, (B.R.5/734-742) Ka			Trijataka, Motha, Kuchala, Tumbaru, Renuka, Bhringaraja Chiraita, Kutaki,	Adraka Swarasa Dashamoola, Chitraka, Kakamachi, Nirgundi, Punarnava, Mundi & Guduchi	All Types of <i>Jwara,</i> Pandu, Shoola, Mandagni, Grahani Kapharoga, Vataroga, Gulma, Aruchi, Kasa, Shwasa
29Somanatha Rasa (Brihat) (R.S.S.,P-416/10-16)Kajjali, Loha, Abhraka, Vanga, Rajata, Swarna & Kharparabhasma-Ghritakumari SwarasaSomaro Swarasa30Grahanikapata Rasa (R.S.S.,P-229/93-94)Kajjali, Loha & Kapardabhasma Shu.Haratala & Tankana-Nimbu SwarasaGrahani Kahaya Prameh31Kasturibhairava Rasa (Brihat) (R.S.S.,P-158/ 177-182)Rajata, Loha & Rajata, Loha & Vangabhasma Shu.HaratalaLavanga, Jayaphala, Karpura, TrikatuDronapushpi & Tambula patra SwarasaAll types Arsha, S Kshaya Dronapushpi & Arsha, S Swarasa32Vatapittantaka Rasa (R.S.S.,P-137/ 67-68)Rasasindura, Abhraka, Tamra & Lohabhasma Shu. HaratalaNagarmothaMulethi, Draksha & Guduchi kwatha, Daha, T Amalaki, Shatavari & Bhrama Kshirvidari SwarasaJawara, I & & Guduchi kwatha, Bhrama33Sannipatabhairava Rasa (B.R.5/734-742)Kajjali,Loha, Abhraka, Tamra, Naga & Swarnabhasma Shu.Triphala, Trikatu, Shu. Jayaphala, Shu.Arkamoola, Mundi, Kutha, Shu. Jayaphala, Shu.All type			Vidanga, Chavya, Chitraka, Shunthi, Maricha, Amlavetasa, Saindhava & Sauvarchala Lavana	-	
 Grahanikapata Rasa (R.S.S.,P-229/93-94) Kasturibhairava Rasa (Brihat) (R.S.S.,P-158/ (Brihat) (R.S.S.,P-137/ (Brihat) (R.S.S		Vanga, Rajata, Swarna &			Somaroga, Prameha Bahumutrata, Mutraghata
 31 Kasturibhairava Rasa (Brihat) (R.S.S.,P-158/ 177-182) 32 Vatapittantaka Rasa (R.S.S.,P-137/ 67-68) 33 Sannipatabhairava Rasa (B.R.5/734-742) 34 Kasturibhairava Rasa (B.R.5/734-742) 35 Kastara Rasasindura, Swarna, Rajata, Loha & Vangabhasma 36 Kajjali,Loha, Abhraka, Swarnabhasma Shu. 37 Kastara Rasasindura, Swarna, Rasasindura, Abhraka, (B.R.5/734-742) 38 Kastara Rasasindura, Abhraka, (B.R.5/734-742) 39 Kastara Rasasindura, Abhraka, (B.R.5/734-742) 30 Kastara Rasasindura, Abhraka, (B.R.5/734-742) 31 Kastara Rasasindura, Abhraka, (B.R.5/734-742) 32 Kastara Rasasindura, Abhraka, (B.R.5/734-742) 33 Kastara Rasasindura, Abhraka, (B.R.5/734-742) 34 Kajjali,Loha, Abhraka, (B.R.5/734-742) 35 Kajjali,Loha, Abhraka, (B.R.5/734-742) 36 Kajjali,Loha, Abhraka, (B.R.5/734-742) 37 Kajjali,Loha, Abhraka, (B.R.5/734-742) 38 Kajjali,Loha, Abhraka, (B.R.5/734-742) 39 Kajjali,Loha, Abhraka, (B.R.5/734-742) 30 Kajjali,Loha, Abhraka, (B.R.5/734-742) 30 Kajjali,Loha, Abhraka, (B.R.5/734-742) 31 Kajjali,Loha, Abhraka, (B.R.5/734-742) 32 Kajjali,Loha, Abhraka, (B.R.5/734-742) 33 Kajjali,Loha, Abhraka, (B.R.5/734-742) 34 Kajjali,Loha, Abhraka, (B.R.5/734-742) 35 Kajjali,Loha, Abhraka, (B.R.5/734-742) 36 Kajjali,Loha, Abhraka, (B.R.5/734-742) 37 Kajjali,Loha, Abhraka, (B.R.5/734-742) 38 Kajjali,Loha, Abhraka, (B.R.5/734-742) 39 Kajjali,Loha, Abhraka, (B.R.5/734-742) 30 Kajjali,Loha, Abhraka, (B.R.5/734-742) 30	-	Kapardabhasma	-	Nimbu Swarasa	Grahani,Gulma, Kshaya, Kushtha, Prameha
 (R.S.S.,P-137/ 67-68) Tamra & Lohabhasma Shu. Haratala 33 Sannipatabhairava Rasa (B.R.5/734-742) 34 Sannipatabhairava Rasa (B.R.5/734-742) 35 Sannipatabhairava Rasa (B.R.5/734-742) 36 Cuduchi kwatha, Shu. Haratala 37 Sannipatabhairava Rasa (B.R.5/734-742) 38 Sannipatabhairava Rasa (B.R.5/734-742) 39 Sannipatabhairava Rasa (B.R.5/734-742) 30 Sannipatabhairava Rasa (B.R.5/734-742) 30 Sannipatabhairava Rasa (B.R.5/734-742) 31 Sannipatabhairava Rasa (B.R.5/734-742) 32 Sannipatabhairava Rasa (B.R.5/734-742) 33 Sannipatabhairava Rasa (B.R.5/734-742) 33 Sannipatabhairava Rasa (B.R.5/734-742) 33 Sannipatabhairava Rasa (B.R.5/734-742) 34 Sannipatabhairava Rasa (B.R.5/734-742) 35 Sannipatabhairava Rasa (B.R.5/734-742) 35 Sannipatabhairava Rasa (B.R.5/734-742) 36 Sannipatabhairava Rasa (B.R.5/734-742) 37 Sannipatabhairava Rasa (B.R.5/734-742) 38 Sannipatabhairava Rasa (B.R.5/734-742) 39 Sannipatabhairava Rasa (B.R.5/734-742) 30 Sannipatabhairava Rasa (B.R.5/734-742) 30 Sannipatabhairava Rasa (B.R.5/734-742) 31 Sannipatabhairava Rasa (B.R.5/734-742) 32 Sannipatabhairava Rasa (B.R.5/734-742) 33 Sannipatabhairava Rasa (B.R.5/734-742) 34 Sannipatabhairava Rasa (B.R.5/734-742) 35 Sannipatabhairava Rasa (B.R.5/734-742) 35 Sannipatabhairava Rasa (B.R.5/734-742) 36 Sannipatabhairava Rasa (B.R.5/734-742) 37 Sannipatabhairava Rasa (B.R.5/734-742) 38 Sannipatabhairava Rasa (B.R.5/734-742) 38 Sannipatabhairava Rasa (B.R.5/734-742) 39 Sannipatabhairava Rasa (B.R.5/734-742) 39 Sannipatabhairava Rasa (B.R.5/734-742) 30 Sannipatabhairava Rasa (B.R.5/734-742)	(Brihat) (R.S.S.,P-158/	Rasasindura, Swarna, <i>Rajata, Loha</i> &		Tambula patra	All types of Jwara, Nastagarbha, Kasa Prameha, Shwasa Arsha, Shotha, Kshaya etc
33Sannipatabhairava RasaKajjali,Loha, Abhraka, Tamra, Naga & Swarnabhasma Shu.Triphala, Trikatu, Shu. Vatsanabha, Shu. Vatsanabha, Shu. Jayaphala, Shu.Arkamoola, Mundi, Kutha, Karvellakapatra,All type		Tamra & Lohabhasma	Nagarmotha	& Guduchi kwatha, Amalaki, Shatavari &	Jwara, Kshaya, Daha, <i>Trishna,</i> <i>Bhrama</i> etc.
Haratala Langali, Arkadugdha Kakajangha, Sonapatha, Trikatu etc.		Tamra, Naga &	Shu. Vatsanabha,	Arkamoola, Mundi, Kutha, Karvellakapatra, Kakajangha, Sonapatha, Trikatu	All type of <i>Jwara</i>

Contd...

Gupta, et. al.: Therapeutic uses of Swarnamakshika bhasma

Tal	Table 2: Contd/-					
Sr.	Formulation	Ingredient	Ingredient	Processed in	Indication	
No		Metals/Minerals	Herbal/Others			
34	Vatavidhwansana <i>Rasa</i> (B.R.26/182-188)	<i>Kajjali, Abhraka</i> & Kansyabhasma, Shu. Haratala	Tila	Erandataila, Nimbu Swarasa	Udararoga, Kasa, Adhyamana, Shwasa Vishuchika, Jwara Agnimandya, Shoola Amadosha, Vamana, etc.	
35	Vatanashana Rasa (R.S.S.,P-368/15-17)	Rasasindura, Swarna, Vajra, Tamra & Lohabhasma, Shu. Haratala, Nilanjana, Shu. Tuthya	Samudraphena, <i>Lavanga, Rasanjana</i>	Snuhidugdha	Vataroga	

C.S. - Charaka Samhita, B.R. - Bhaishajya Ratnavali, R.Y.S. - Rasa Yoga Sagar, R.S.S. - Rasendra Sara Samgraha

high pharmacological and therapeutic properties. There are so many formulations of this mineral is mentioned in texts of Ayurveda in context of treatment of diseases like Jwara, Shwasa, Kasa, Kshaya, Prameha, Pandu, Anidra, Apasmara, Vatavyadhi and other chronic and dreadful diseases.

Conclusion

The drugs of mineral origin are very potent and have a wide range of therapeutic efficacy in acute, chronic as well as in non curable diseases. *Swarnamakshika* is a compound of Copper, Iron and Sulphur having wide range of therapeutic efficacy.

It is frequently used in the form of *bhasma* alone or with other herbomineral drugs mainly in treatment of *Jwara*, *Pandu*, *Anidra*, *Prameha*, *Kshaya* etc., and also for *Rasayana* and *Vajikarana* purposes.

After critically analysing the above formulations, it was observed that maximum number of formulations containing *Swarnamakshika bhasma* are indicated in *Jwara* (37%), *Kasa*, *Shwasa*, *Kshaya* (34%), *Prameha* (25%), and in *Pandu* (17%).

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हिन्दी सारांश

सुवर्णमाक्षिक ताम्र, लौह व गंधक खनिज का अध्ययन

रमेशकुमार गुप्ता, विजय लक्ष्मी, एस. महापात्रा एवं सी. बी. झा

आयुर्वेदिक चिकित्सा पद्धति में रसौषधियों का महत्त्वपूर्ण स्थान है। जान्तव व वानस्पतिक द्रव्यों की तुलना में रसौषधियों के श्रेष्ठ होने के कारण रस वैद्यों ने प्रकृति से प्राप्त अनेक खनिजों व धातुओं का चिकित्सकीय परीक्षण किया तथा उनमें श्रेष्ठ व्याधिनाशक गुणों से युक्त खनिजों व धातुओं को चिकित्सकीय उपयोग हेतु अलग किया। स्वर्णमाक्षिक ताम्र, लौह व गंधक का एक खनिज है जो सम्यक् शोधन व मारण के पश्चात् उच्च व्याधिनाशन क्षमता से युक्त होकर ज्वर, पाण्डु, प्रमेह, श्वास-कास, कुष्ठ, अनिद्रा, अपस्मार आदि अनेक जटिल व्याधियों को नष्ट कर देता है।