Bulletin of Environment, Pharmacology and Life Sciences

Bull. Env. Pharmacol. Life Sci., Vol 11 [4] March 2022: 239-247 ©2022 Academy for Environment and Life Sciences, India

Online ISSN 2277-1808

Journal's URL:http://www.bepls.com

CODEN: BEPLAD



OPEN ACCESS

REVIEW ARTICLE

A Review on Vata Vidhwansa Rasa: An Herbo Mineral Formulation

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ABSTRACT

Ayurveda is the oldest existing medical system which is getting importance globally. Ayurveda has many branches as well as rasa shatra and bhaisajyakalpana. Rasashastra is a branch of ayurveda which is responsible for the preparation of various formulation like herbal, mineral & herbomineral. Rasa shastra means the science of mercury but also refers to the preparation of minerals metals suitable for the body so that they can be used as medicine. It considered toxic but with proper shodhana process s(purification method), they can be turned in to therapeutic medicine. Vatavidhwans rasa is the formulation which is a herbo-mineral kharliyarasayan which is used in vataja disorder like udararoga(Abdominal diseases), vibandha(Constipation), amadosha (indigested food), adhman(Distended abdomen), anaha(Distended abdomen with pain), grahni(Irritable bowel syndrome), sarvangshul(Body pain). In differerent text of rasa shastra there are different type of Vatavidhwansa rasa are available in the classics. Here is an attempt to compile all the references of Vatavidhwansa rasa and discussed on the different aspect of formulation.it can be applied for practice analysis of Bisoprolol Fumarate (BF) and Perindopril Erbumine (PE) in bulk drug.

Keywords: Vatavidhwansa rasa, Kharaliyarasayana, Vatavyadhi

Received 10.12.2021

Revised 11.02.2022

Accepted 12.02.2022

INTRODUCTION

Rasa shastra has been placed with great important in ayurveda. In rasa shastra kharaliya rasayan are the type of preparation which are prepared in kharal (Mortar & pestle), mardana with or without bhavana dravyas for specific period of time and agni samskara are not given to it. Numerous formulations comes under the kharaliya rasayana. Vatavidhwansa rasa is one such herbomineral kharaliya rasayana which are used in vatavyadhi. In present era, vatavyadhi is the most prevalent disease. This science is based on the entities like. Tridoshas, (Vata, Pitta, Kapha) among the three, Vata is the most important one. In vata disorder vata is the only dosha which is responsible for vitiation of other two dosha as well as dhatu & mala. so, a proper understanding of concept of vata is required in order to keep all the body function in equilibrium [1-2].

Table: 1 VATA VIDHWANSA RASA 1

Reference from: Vaidhyachintamani, Rasayanasangraha, Bruhatnighantu ratnakara [1]

S.NO.	NAME OF INGREDIENTS IN SANSKRIT	ENGLISH NAME	QUANTITY
1.	Suddhaparada	Purified Mercury	1 part
2.	Sudhhagandhaka	Purified sulphur	1 part
3.	Tamrabhasma	Copper	1 part
4.	Lohabhasma	Iron	1 part
5.	Swarna makshika	Copper pyrite	1 part
6.	Suddhavatsanabha	Aconitum ferox	2 part
7.	Suddhajaypal	Croton tiglium	1 part
8.	Suddhaharatal	Purified orpiment	1 part
9.	Trikatu	Mixture of Zingiber officinale, Piper nigrum, Piper longum	Q.S.
10.	Nirgundi Vitex negundo		Q.S.

11.	Surana	Amorphophallus campanulatus	Q.S.
12.	Arkadugdha	Celatropisprocera	Q.S.
13.	Bhrungrajswaras	Eclipta alba	Q.S.
14.	Dhaturaswaras	Dhatura metel	Q.S.

Table 2: VATA VIDHWANSA RASA 2

Reference from : Rasa chandamsu, Yogratnakara,Rrasa tantra sasa siddha prayogasangraha, Bruhat yoga tarangini, Nighantu ratnakara, Ratnakaraausdhayog, Rasa komudi,Rasasangrahasiddhanat, Vasavrajiyam, Vaidhyachintamani,Rrasamuktavali, Rasayanasangraha, Vaidhyavilasa, Rasa parijata, Ayurveda Sara

Sangrha [2]

rna [2]			
S.NO.	NAME OF INGREDIENTS IN SANSKRIT ENGLISH NAME		QUANTITY
1.	Suddhaparada	Purified Mercury	1 part
2.	Suddhagandhaka	Purified sulphur	1 part
3.	Naga bhasma	Lead	1 part
4.	Vanga bhasma	Tin	1 part
5.	Lohabhasma	Iron	1 part
6.	Tamrabhasma	Copper	1 part
7.	Abharakbhasma	Mica	1 part
8.	Pippali	Piper longum	1 part
9.	Tankan	Borex	1 part
10.	Trikatu	Mixture of Zingiber officinale, Piper nigrum, Piper longum	1 part
11.	Vatsanabha	Aconitum ferox	4½ part
12.	Triphala	Mixture of Terminalia chebula, Terminaliyabelerica, Embelicoffficinalis	Q.S.
13.	Chitraka	Plumbago zelaynica	Q.S.
14.	Brungarajaswaras	Eclipta alba	Q.S.
15.	Kustha	Saussurealappa	Q.S.
16.	Arkadugdha	Calotropis procera	Q.S.
17.	Nirgundiswaras	Vitex negundo	Q.S.
18.	Amla swaras	Phyllanthus emblica	Q.S.
19.	Adrakaswaras	Zingiber officinale	Q.S.
20.	Nimbuswaras	Citrus limon	Q.S.

VATA VIDHWANSA RASA 3 (Table no.3)

Reference from: Rasa chandamsu, Rasendra chintamani[3]

S.NO.	NAME OF INGREDIENTS IN SANSKRIT	ENGLISH NAME	QUANTITY
1.	Suddhaparada	Purified Mercury	1 part
2.	Suddhagandhaka	Purified sulphur	1part
3.	Suddhavatsanabha	Aconitum ferox	1/16 part
4.	Chitrakakwath	Plumbago zelaynica	Q.S.

VATA VIDHWANSA RASA 4 (Table no. 4)

Reference from: Rasa raja sundra, Nighantu ratnakara, Vaidhyavilasa, Rasayana sangraha[4]

S.NO.	NAME OF INGREDIENTS IN SANSKRIT	ENGLISH NAME	QUANTITY
1.	Suddhaparada	Purified Mercury	1part
2.	Tankana	Borex	1part
3.	Suddhagandhaka	Purified sulphur	1part
4.	Pashanabheda	Inula racemosa	1part
5.	Vatsanabha	Aconitum ferox	1part
6.	Varatikabhasma	Cowry	1part
7.	Suddhaharatal	Purified orpiment	1part
8.	Trikatu	Mixture of Zingiber officinale, Piper nigrum, Piper longum	1part
9.	Dhaturaswarasa	Datura metel	Q.S

VATA VIDHWANSA RASA 4 (Table no.5)

Reference from : Rasendra sara sangraha, Rasa chandamsu, Rasa raja sundra, Rasayanasangraha, Rasa ratnamanimala, Rasendrakalpadruma,Rasaratna samuchya[5]

S.NO.	NAME OF INGREDIENTS IN SANSKRIT	ENGLISH NAME	QUANTITY
1.	Suddhaparada	Purified Mercury	1 part
2.	Abharakasatvabhasma	Mica	2 part
3.	Kankshi	Potash alum	3 part
4.	Swarna makshika	Copper pyrite	4 part
5.	Suddhagandhaka	Purified sulphur	5 part
6.	Suddhaharatal	Purified orpiment	6 part
7.	Erandataila	Ricinus communis	Q.S
8.	Nimbuswarasa	Citrus limon	Q.S

VATA VIDHWANSA RASA 5 (Table no.6)

reference from : Rasayansangrah

	NAME OF		
S.NO.	INGREDIENTS IN	ENGLISH NAME	QUANTITY
	SANSKRIT		
1.	Suddha parade	Purified Mercury	1 part
2.	Suddhagandhaka	Purified sulphur	1 part
3.	Vatsanabha	Aconitum ferox	1 part
4.	Pippali	Piper longum	1 part
5.	Suddhamanasila	Purified realgar	1 part
6.	Suddhaharatal	Purified orpiment	1 part
7.	Triphala	Mixture of Terminalia chebula, Terminaliyabelerica, Embelicoffficinalis	1 part
8.	Indra varuni	Citrullus colocynthis	1 part
9.	Trikatu	Mixture of Zingiber officinale, Piper nigrum, Piper longum	1 part
10.	Tulasi	Ocimum sanctum	1 part
11.	Sahijana	Moringa oleifera	1 part
12.	Poshkara	Inula racemosa	1 part
13.	Dantimoola	Balispermum montanum	Q.S.
14.	Brungrajswarasa	Eclipta alba	Q.S.

Table 7: PROPERTIES OF RASA DRAVYAS WHICH ARE PRESENT IN VATA VIDHWANSA RASA [6-19]

S.NO.	INGREDIENT	PROPERTIES
1.	Suddha parada (Purified Mercury)	shadrasa(six type in taste), snigdha(sliminess), sara(mobility), guru(heavyness),ushnavirya(hot in potency), madhuravipaka, yogvahi(Catalyst), tridoshahara, rasayana(rejuvenative), balya, vrusya(aphrodisiacs)
2.	Suddha gandhaka (Purified sulfur)	Garavishahara, kshudrakushthahara(skin disease), kasashwasahara(Antitussive),dadrurogahara(skin disease), chakshushya(good for eye), jatharagnipradeepak(digesteant), sara(mobility), rasayana(rejuvenative),katu rasa, ushnavirya(hot in potency), pachakguna(digestive), rasendraviryavardhan
3.	Shudh Haratala (Purified orpiment)	Snigdha(sliminess),bhootjawarvinashnam, kushtha hara(skin disease), Rasayana(rejuvenative)
4.	Shudh Manashila (Purified realgar)	Katutikta rasa(pungent bitter taste), snigdha(sliminess), ushna(hot in potency), guru(heavy), lekhanguna(scrapping), kasashwasa hara(Antitussive), bhootopdravanashini, agnimandyakshayaanahkandu hara,

		rasayana(rejuvenative),jwarahara (antipyratic),
		varnya(improve complection), antidote for visha, enhances virtility (kamam)
5.	Shudh tankana (Borex)	Katu rasa(pungent), ushnavirya(hot in potency), ruksha(rough) tikshna(sharp in action) sara guna(mobility), kaphahara, vatahara, hrudya(cardiac pleasing),kasashwasahara(Antitussive), kamam(rejuvenative),agnipradeepak(appetizer), adhmanhara(Distended abdomen), balya, stripushpajanan, vrananashan, moodhgarbhpravartak
6.	Abhrak Bhasm (Mica)	Snigdha(sliminess),sitavirya(cold in potency),madhur rasa(sweet in taste), ayushya, keshya(good for hair), varnya(improve complexion),ruchikar(improve taste), deepan(carminative),balya, netrya(good for eye), medhya(brain tonic),stanyavardhak(lactogenic)
7.	Tamra Bhasm (Copper)	Tiktakshayamadhura rasa, katuvipaka, ushnavirya(hot in potency),snigdhaguna(sliminess in action), vishahara, sara(mobility in action), lekhan(scrapping), shleshmapittahara
8.	Vang Bhasm (Tin)	Laghu(light in nature), sita(cold in potency), rukshaguna(rough), medhya(brain tonic),tikta(bitter in taste), kashaya(astringent taste), alpalavana rasa, medohara(anti lipidemic), ruchikar(improve taste), rasayan(rejuvenative), kaphajaroghara, pramehahara(anti diabetic), vranahara,chakshushya(good for eye), vrushya,(aphrodisiacs), balya
9.	Naag Bhasm (Lead)	Madhura tikta rasa(sweet, bitter taste), snigdha(sliminess), guru(heavy), lekhana(scrapping), ushna(hot in potency) and sara guna(mobility), pramehahara(anti diabitic),vatavyadhihara, grahaniroghara(irritable bowel syndrome), vranahara, gulmaroghara, raktapradarahara
10.	Loha Bhasm (Iron)	Ruksha(rough), guru(heavy), lekhanaguna(scrapping), madhurvipaka, kshaya rasa(astringent in taste), ushnavirya(hot in potency), netrya(good for eye), balya, vrushya(aphrodisiacs),jathargadnutt, kaphapittahara, varnya(improve complexion), medya(brain tonic)
11.	Swarnamakshika Bhasm (Copper pyrite)	Vrushya(aphrodisiacs),madhura rasa(sweet in taste), rasayana(rejuvenative), tikta(bitter in taste), chakshushya(good for eye), tridoshaghna, kshayahara, arshohara, pramehahara(anti diabetic),vishaghna, pandushwathukushthahara, jirnajwarahara(anti pyratic), mandagnihara(improve digestion), aruchihara(improve taste),yogwahi
12.	abhrakasatva bhasma	madhura rasa(sweet in taste), sita (cold in potency),snigdha(sliminrss), tridoshnasaka, rasayan(rejuvenative),aayusyavardhaka, keshya(good for hair),punsatvajanan, vayasthapana
13.	Varatika bhasma (Cowry)	deepan(digestive in nature),ushnaguna(hot in action), karnastravhara, agnimandhyanashini(improve digestivefire), shoolasamani(anti spasmodic)
14.	Suddha kanshi (Potash alum)	kashaya(astringent in taste), katu(pungent in taste),tikta rasa(bitter in taste),ushnaguna(hot in action), keshya(good for hair),netrarogaprashmani, vishmajwaranashini(anti pyratic), grahi, lekhana(scrapping), snigdha(sliminess)

Table: 7: HERBAL INGREDIENTS PROPERTIES WHICH ARE PRESENT IN VATA VIDHWANSA RASA

	[20-41]				
S.NO.	INGREDIENT	LETIN NAME	PART USED	PROPERTIES	
1.	Shudh Vatsnabh	Aconitum ferox	Root	Katu(pungent)tikta(bitter) kshaya rasa(astrigent), ushnavirya(hot in potency), yogvahi, rasayan(rejuvenative),tridoshahara mainly vatakaphahara, deepan, bruhman, balya, agnimandyahara (improve digetion), pliharogahara, vataraktahara, shwasa hara, kasahara,((Antitussive)) kushtha hara, panduhara (anti anemic), jwarahara(anti pyratic), amavatahara(anti rhumatic), timirrogahara, vishaghna	
2.	Shudh Jayapala	Myristica fragrans	Fruit	Tikta rasa(bitter in taste), tikshna(sharp in action), ushnavirya(hot in potency), rochak, laghu(light in action), katu rasa(pungent in taste), deepan(digestive), grahi, kaphavatahara, krimikasavamanashwasashoshapinasa hara(Antitussive)(wormkiller), hrudya	
3.	Sunthi	Zingiber officinale	Rhizome	Ruchya(good for taste), aamavatanashak(anti rhumatic), pachak, katurasa(pungent in taste), snigdha(sliminess),ushnavirya(hot in potency), madhurvipaka,kaphavatahara, vrushya(aphrodisics), shwasakasahara(Antitussive),grahi	
4.	Maricha	Piper nigrum	Fruit	Katu rasa(pungent in taste), tikshna(sharpness), deepan,kaphavatahara, ushnavirya(hot in potency), pittavardhak, ruksha(rough), shwasakasakrimihara(Antitussive)	
5.	Pippali	Piper longum	Fruit	Agnideepak(improve diestivefire), vrushya(aphrodisiac), madhurvipaka, rasayan(rejuvenative), anushna, katu rasa(pungent in taste), snigdha(sliminess), vatakaphanashak, lahupaki, rechak(laxative) amavatanashak(anti rhumatic), shwasakasanashak(Antitussive), jwarahara(anti pyratic), kushthahara, shoolhara(anti spasmodic)	
6.	Aark	Calotropis procera	Flower	Madhur(sweeet) tikta rasa(bitter), kushthakrimighna(wormkiller), kaphanashak, arshoghna, vishaghna, raktapittahara, gulma hara, shothahara	
7.	Chitrak	Plumbago zelaynica	Root	Katu rasa(pungent in taste), agnivardhak(improve digestive fire), pachak(digestive),ruksha(rough), ushna(hot in potency), vatasleshmahara, grahi, tridoshaghna, grahanikushthashothahara, krimihara(wormkiller)	
8.	Haritaki	Terminalia chebula	Fruit	lavanavarjitapancha rasa, ruksha(rough), ushna(hot in potency),madhuravipaka, dipani, rasayani(rejuvenative), chakshusya(good for eye), bruhani, anulomani,swasakasahara(Antitussive)	
9.	Vibhitaki	Terminalia belerica	Fruit	kashaya(astringent in taste),ushnavirya(hot in potency), madhuravipaka, bhedani, ruksha(rough), netrya(good for eye), keshya(good for hair),kriminashanam(wormkiller)	
10.	Amlaki	Embelica officinalis	Fruit	amla rasa,madhuravipaka, rasayana(rejuvenative), vrusya(aphrodisiac), pamehahara(anti diabetic),raktapitta hara	
11.	Nirgundi	Vitex nergundo	Leaf	kashaya(astringent),katu(pungent), tikta rasa(bitter),laghu(light in action), keshya(good for hair), medhya(brain	

				tonic),kaphavatashamaka
12.	Suran	Amorphophallus campanulatus	Tuber	katu(pungent),vatahara, dipan, pachana, ruchikara, swaskasahara(Antitussive), amavatnashaka(anti rheumatic)
13.	Bhrungraja	Eclipta alba	Whole plant	katu(pungent), Tikshna (sharp in action), ushna, ruksha(rough), kaphavata hara, keshya(good for hair),rasayana (rejuvenative), balya, krimi, swasa, kasahrara(wormkiller, (Antitussive)
14.	Dhatura	Dhatura metel	Whole plant	kashya(good for hair) ,madhura(sweet in taste),tikta rasa, ushna(hot in potency), guru(heavy in action), sleshmakandu hara
15.	Ardraka	Zingiber officinale	Rhizome	katu rasa(pungent), ushnavirya(hot in potency), madhravipaka, guru(heavy in action),bhedani, dipani, vatakaphahara
16.	Nimbu	Citrus aurantifolia	Fruit	amla(sour in taste),deepan, pachana, laghu(light in action), tridhosh hara, ruchivardhaka(improve taste)
17.	Eranda	Ricinus communis	Root	madhura(sweet in taste),ushna(hot in potency), guru(heavynees),kaphavatahara, deepan, virechaka(laxative)
18.	Indra Varuni	Citrullus colocynthis	Root	tikta rasa(bitter in taste),katuvipaka, laghu(light in action), ushna(hot in potency), swasakasa hara(Antitussive),
19.	Tulasi	Ocimum sanctum	leaf	katu(pungent),tikta rasa(bitter), ushnavirya(hot in potency), katuvipaka, jwaragn(antipyratic), parshvashula
20.	Sigru	Moringa oleifera	Root	katutikta rasa(pungent, bitter), sheetavirya(cold in potency), madhuravipaka, medhya(brain tonic), anidra
21.	Poshkara	Inula racemosa	Root	katu(pungent),tikta rasa(bitter), ushnavirya(hot in potency),katuvipaka, vatakaphahara, hrudroga, swasa, hikka, parshvashula
22.	Danti	Balispermum montanum	Root	katu rasa(pungent),ushanavirya(hot in potency),katuvipaka, teekshna(sharp in action) virechaka(laxative)

Table 8: DOSAGE, ANUPAN, AND INDICATION OF VATA VIDHWANS RASA

Table 8: DOSAGE, ANUPAN, AND INDICATION OF VATA VIDHWANS RASA				
VATA VIDHWANSA RASA TYPE	DOSE	ANUPANA	INDICATION	
Type 1	2 ratti	<i>Marichachurna,</i> honey	janu, jangha, kati, pada shoola(pain in knee, thigh,pelvic region and foot), manyastambha(stiffness of neck),hanustambha(stiffness of jaw),trikastambha, jihwastambha(stiffness of toung),sarvangavata(detoriaterdvata)	
Type 2	2 ratti	-	vatavyadhi(80 types of vataja disease), shoola(pain), kapharoga, grahani(IBS), sannipataroga, mudhavata, sutikaroga(puerperal disease)	
Туре 3	3 ratti	-	apasmara(epilepsy), unmade(insanity), sarvangavata(pain all over the body)	
Type 4	1 ratti	-	vatakaphajavyadhi, agnimandya (loss of appetite), swasa, sangrahani(IBS), shoola, kasa, swasa	
Type 5	2 ratti	-	uadarshoola(pain in abdomen), vishuchika(cholera),agnimandya (loss of appetite), ama dosha(indigested food),gulma, swasa, kasa, krimiroga, sarvangashoola(pain all over body), manyastambha (stiffness of neck),jwara(fever), atisara (diarrhea), tridoshaj shoola	
Туре 6	6 ratti	Ardraka rasa	Avabahuka (frozen shoulder),sannipataroga, sarvanga vata (pain all over body), asmari(stone), shoola(pain)	

GENERAL METHOD OF PREPARATION

The most common method of preparation of vatavidhwansa rasa is kharaliya method of preparation. All the drugs are taken after purification. first clean kharal (mortar and pestle) should be taken.

Suddhaparada (Purified mercury) and suddhagandhaka (Purified sulphur) are taken in a clean khalva yantra and appropriate kajjali is prepared. Mentioned ratio of all the ingredients are added one by one and triturated further to obtain a homogenous mixture then to the mixture bhavana dravya is added and mardana is done for the given time. vatis are prepared of the specific weight and kept for drying. then stored in air tight container with proper packing and labelling.

DISCUSSION

From above table it seen that, Suddha Parada(Purified Mercury) and Suddha Gandhaka(Purified sulphur) are common ingredients in all type of Vata Vidhwanasa Rasa both are having Rasayana (rejuvenative) property. In Vata Vidhwansa Rasa different Bhavana Dravya used in different classics. Bhavana is the process of impregnation help in reducing the particle size of the drugs thus, increasing their capacity for absorption into system. The specific organic liquid helps to induce trace elements in the Bhasma and to target it on a particular site of action. In all classics not mention specific Anupana for Vata Vidhwansa Rasa but according to disease we can use different Anupana. In Rasayan Sangraha, Marich Churna use as Anupana and treat the disease like Dhanurvata, Jangha Janu Kati Shula (pain in knee, thigh) because Maricha (Piper nigrum) having Katu Rasa (Pungent in taste), Ushna Virya (hot in potency) it shown to possess bioavailability enhancing activity with entering minutes body channels. Vata Vidhawansa Rasa has rejuvenating effect and is used in the treatment of the Vata disease as it have low dose, quick action, palatability and high efficacy, longer shelf life due to their micronized preparation.

CONCLUSION:

Vata Vidhwansa Rasa is the potent *Kharaliya Rasayana* mentioned in the classics. *Kajjali* (mercury +sulfur) it act as disinfectant and *Yogavahi* (Catalyst), copper is anti-convulsant and anti inflammatory. *Tankan* is a disinfectant and sedative etc. Due to presence of ingredients in *Vata Vidhwansana Rasa*, it will have quick action. There are 6 types of *Vata Vidhwansa Rasa* mentioned in the classics but most common preparation of *Vata Vidhwansa Rasa* used is from *Yogratnakara* (type 2). It is basically used in the treatment of *Vata Vyadhi*.

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CITA Vish	TION OF THIS ARTICLE va Dumasiya, Abhaya Kumar Mishra. A Review On Vata Vidhwansa Rasa	: An	Herb	o Mineral
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