

A comprehensive review of Kakaradi gana and its significance in Rasashastra

Review Article

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Abstract

Among various branches of Ayurveda, *Rasashastra* is an important branch known for its various formulations called as *Rasaushadhi* (Mineral or Herbo-mineral medicines). According to various classics of Ayurveda, some *Pathyapathya* (Wholesome and unwholesome diet / regime) are explained which should be followed during the *Rasasevanakala* (period of consuming Mercurial Preparation). The group of fruits and vegetables which are advocated as *Apathya* (unwholesome diet) during the *Rasasevanakala* is known as *Kakaradi Gana*. In some texts, eight number of such *dravyas* are mentioned and this group is known as *Kakarashtaka Gana*. The total number of drugs mentioned under the *Kakaradi Gana* in various classics are different. These *Kakaradi gana* drugs also has other utility in the *Rasashastra* other than unwholesome regime. Here an attempt has been made to compile the *Kakaradi gana*, *Kakarashtaka gana* with Probable rationale behind elucidation of these *gana* and significance of these *ganas* are also discussed here.

Key Words: Ayurveda; Rasashastra; Kakaradi Gana; Kakarashtaka Gana; Rasaushadhi; Pathyapathya; Rasa sevana kala.

Introduction

Ayurveda is an ancient science of life which is globally accepted due to its holistic approach. Rasashastra (Indian Iatrochemistry) is one of the main branch of Ayurveda which developed prominently in the medieval period i.e. from 8th century to 15th century. Rasashastra contains the drugs of Metal, Mineral, Herbal, Aquatic, Herbo-mineral and Animal origin. Many of the Minerals and Metals were known to Indians since pre-vedic period. References of minerals and metals like Gold, Copper, Iron, Tin and Lead etc. are found in Vedic era. In medieval period, these drugs were used for both Lohavada (Conversion of lower metal into higher) as well as Dehavada (for therapeutic purpose).

Rasashastra is mainly based on the Parada (Mercury) hence the processes related to the Parada are found elaborated in detail. In Ayurveda there is importance of pathyapathya (wholesome and unwholesome diet) along with the medicine which has impact on eventual outcome of medicinal use therapeutically. They should be followed for the desired effect of the medicine. The drugs / diet which are mentioned as wholesome or unwholesome; are

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described on the basis of the Rasa, Guna, Veerya, Vipaka etc. In many Rasagranthas (Classics of Rasashastra), the Pathyapathya is described for the Rasaushadhisevana (during administration of Mineral and Herbo-mineral formulations). For Apathya Dravyas, some fruits and vegetables are mentioned in general while some are specified under the group called as Kakaradi Gana(1). While mentioning these group of drugs, in some classics they are limited to eight numbers in total. This group of drugs is known as Kakarashtaka Gana(2).

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The dravyas mentioned under the Kakaradi gana or Kakarashtaka Gana are also indicated as antidote for the ill effects of Paradasevana (Mercurial compounds). Many of the Kakaradi Gana ingredients are used in various processes in Rasashastra like used as Bhavana dravya, as an ingredient of formulation, in Paradasamskara (Mercurial processes) etc. Hence here compilation of various Kakaradi Gana and Kakarashtaka gana has been done. Also to explain the probable rationale behind forming such group, probable reason behind why not to consume these drugs during the intake of various mercurial compounds, significance of these Ganas and the use of Kakaradi Gana dravyas at other places; a discussion has been done here.

Kakaradi Gana

The group of fruits and vegetables (*Shaka*) having their Sanskrit name starting with 'KA', are called as *Kakaradi Gana*. They are also known by the name of *Kakarashtaka Gana* where the total number of ingredients in such group are limited to eight only. They are mentioned in many classics of Ayurveda in the



Mahesh S Pawar et.al., A comprehensive review of Kakaradi gana and its significance in Rasashastra

context of unwholesome diet/ regime during the mercurial therapy. These food stuffs should be forbidden during the Rasasevanakala (Administration of Mercurial formulations) (3). The number of drugs under these Ganas are different in various classics ranging from six to twenty. The drugs mentioned under Kakarashtaka Gana are eight in number and are similar in most of the texts except RasaChandamshu and Rasendrasaramgraha has one variation in the drug. Some drugs are found commonly mentioned in most of the classical texts where as some are different.

Kakaradi Gana in different Classics

The references of the Kakaradi Gana are found in many of the Rasashastra classics of Ayurveda. The main references are RasaRatnaSamuchhaya, RasaTarangini, Rasarnava, Rasendrasarasamgraha, Ayurved Prakasha, Rasa Manjiri, Rasa Chandamshu etc. Most of the *Dravyas* mentioned in these classics under the Kakaradi Gana or Kakarashtaka Gana are similar; but some texts are having more or less *Dravyas* in this list. The Shatkadin drugs mentioned in Ayurved Prakash and YogRatnakara are similar with no change. In RasaRatnaSamuchhaya, they are mentioned under two groups; one is Devishastrokta and other is Shrikrushnadevokta. In Devishastrokta Kakaradi Gana, Acharya Rasavagbhata (Author of the book RasaRatnaSamucchaya) included some drugs the name of which does not starts with 'Ka' like Nimbuka, Rajika

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The number of the drugs under Kakaradi Gana varies text to text from minimum of six to maximum of twenty in numbers.

The drugs of the Kakaradi Gana described in various texts are compiled and are as shown in table no.1.

Ayurveda Prakash(5) & Rasaratna Samucchaya Rasaratna Samucchaya Rasatarangini(4)

51 110	Yoga Ratnakar(12)	Devi Shastrokta(6)	Shrikrushna Devokta(7)	Kusutarangini(4)
1	Kushmanda	Kantari	Kangu	Kushmanda
2	Karkati	Kanji	Kanduka(Pugaphala)	Kamatha(Kachhapa)
3	Kola	Kamatha(Kachhapa)	Kola	Kalinga
4	Kalinga	Taila	Kukkuta(Cock)	Kola
5	Karamardaka	Rajika	Kala(Peacock)	Kulattha
6	Karira	Nimbuka	Kroda(Pig)	Karkoti
7		Kataka	Kulattha	Kataka(Nirmali)
8		Kalinga	Kantari	Kapittha
9		Kushmanda	Katutaila	Kanchanar flower
10		Karkati	Krushna galak	Kangu
11		keki(Peacock)	Kurma(Kachhapa)	Kanji
12		Kukkuta(Cock)	Kalay(Pea)	Karavellaka
13		Karavellaka	Kana(Pippali)	Karkotaka
14		Karkoti	Karkaru(Kumhada)	Karkati
15		Vrintaka	Karavellaka	Kusumbha
16		Kapittha	Kataka(Nirmali)	Kapota
17			Karkota	
18			Karkati	
19			Kali (Black Jeera)	
20			Kanji	

Table 1: Kakaradi Gana in various Classics

As per Rasatarangini(4), Rasa sevaneApathyani (Unwholesome regime) has been mentioned in Saptam Taranga (7th Chapter). The 'KA'karadigana has been mentioned here and the drugs included are as follows:

Kushmanda, Kamatha, Kalingaphala, Kola, Kulattha, Karkoti, Kataka, Kapitthaphala, Kanchnarpushpa, Kanguni, Kanji, Karavellaka, Karkotaka, Karkati, Kusumbha, Kapotamamsa

Kakarashtakagana: According to some scholars; Kalinga, Karvellaka, Kadali, Kakamachi, Kusumbha, Karkoti, Kushmanda and Karkati are called as KA karashtaka gana. The use of these regimes should be avoided during the Paradasevana kala by the persons seeking for the Rasayanaphala(4) (Benefits of intake of Mercurial compounds).

According to Ayurved Prakash(5), six drugs have been included in KAkaradigana.

Kushmanda, Karkati, Kola, Kalinga, Karamardak and Karira. These drugs are suggested not to consume during the period of administration of Mercurial formulations. The Acharya here named this group as Kadina or Kakara..

According to the *RasaRatnasamucchya*, two types of KAkaradi gana has been mentioned named as Devishastrokta kakaradi gana and shrikrushnadevokta kakaradi gana.

- 1. Devishastrokta Kakaradi Gana(6): Kantakari phala, kanji, Kamatha (Kacchhapa), Taila, Rajika, Nimbu, Kataka, Kalinga phala, Kushmanda, Karkati, Keki, Kukkuta, Karvaellaka, Karkoti, Vruntaka and Kapittha. This is mentioned in Devishastra.
- 2. Shrikrushnadevokta Kakaradi Gana(7): Kanguni, Kanduk(Pugaphala), Kola phala, Kukkuta, meat(mamsa) of Peacock and pig, Kulattha, Kateri,



Katutaila (sarshap), Krushna galak(type of bird like cock), Kurma(kacchhapa), Pea, Kana(Pippali), Karkaru, Karavellaka, Krishna Jeeraka, seed of Nirmali, Kanji, Karkati and Karkotak. This Gana is proposed by the Acharya ShrikrushnaDeva.

As per **Rasarnava**(8), the *Kakarashtakagana* has been mentioned here. The drugs are *Kushmanda*, *Karkati*, *Kalinga*, *Karavellaka*, *Kusumbha*, *Karkota*, *Kadali* and *Kakamachi*. These drugs should be gave up by the persons consuming mercurial formulations.

As mentioned in **RasaManjari**(9), *Kakarashtaka Gana* is mentioned as follow: They are *Kushmanda, Karkati, Kalinga, Karavellaka, Kusumbha, Karkoti, Kadali* and *Kakamachi*.

As mentioned in the *RasaChandamshu*(10), the *Kakarashtakagana* ingredients are as below given: *Kushmanda, Karkati, Kalinga, Karavellaka, Kusumbha, Karkoti, Kalambi* and *Kakamachi*.

As mentioned in Ayurved Prakash(11), Kakarashtaka Gana is explained in Rasasevanakarturaharadiniyam (Directions regarding the Food regime for the persons taking Mercurial formulations). Here Kakarashtaka Gana is explained as unwholesome regime along with other contraindications. This gana includes drugs

Kushmanda, Karkati, Karavellaka, Kalinga, Kusumbha, Karkoti, Kadali and Kakamachi.

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As mentioned in *YogaRatnakara*(12), here also Acharya has explained six number of drugs in Rasasindura prakaran under *Rasendrasevane apathyam* and are called as '*Shatkaadin*'(Six 'Ka' drugs). They are *Kushmanda*, *Karkati*, *Kola*, *Kalinga*, *Karamardaka* and *Karira*; these drugs are suggested to avoid by the person during *Rasasevanakala*.

As mentioned in Rasendrasarasamgraha(13) prathamoadhyaya (1st chapter) under Rasendra bhasma sevana apathya, Acharya has described eight drugs which should be avoided during the period of Rasendra bhasma sevana (consumption of Mercurial incinerated ash). Those drugs are Kushmanda, Karkati, Kalinga, Karavellaka, Kusumbhika, Karkoti, Kalambi and Kakamachi.

If the drugs of the *Kakarashtaka Gana* from various classics are viewed, it can be seen that all the drugs are similar except *Kalambi* explained by *Rasachandamshu* and *Rasendrasarasamgraha* is different. In other classics, they have included *Kadali* instead of *Kalambi*. Rest all the drugs are same in all other classics. The *Kakarashtaka Gana* mentioned in various texts are compiled and discussed as per Table no. 2 here.

RasaChandamshu (10) and Rasendra sara Sr No Rasa Tarangini (2) Rasarnava (8) RasaManjari (9) Ayurveda Prakash(11) samgraha(13) Kushmanda Kushmanda Kushmanda Kushmanda Kushmanda 2 Karkati Karkati Karkati Karkati Karkati 3 Kalinga Kalinga Kalinga Kalinga Kalinga 4 Karvellaka Karvellaka Karvellaka Karvellaka Karvellaka 5 Kusumbha Kusumbha Kusumbha Kusumbha Kusumbha Karkoti Karkoti Karkoti Karkoti Karkoti 6 7 Kadali Kadali Kadali Kalambi Kadali 8 Kakamachi Kakamachi Kakamachi Kakamachi Kakamachi

Table 2: Kakarashtaka Gana of various classics

If an overlook of the drugs mentioned under various *Kakaradi Gana* and various *Kakarashtaka Gana* is done, some drugs are found to be common explained by most of the Acharyas in their respective texts. These common drugs are compiled and discussed here in the Table No 3.

Table 3: Kakaradi and Kakarashtaka Dravvas common in various classics

A. Kakaradi Dravyas		B. Kakarashtaka Dravyas	
Sr No	Name of Dravya	Sr No	Name of Dravya
1	Kushmanda	1	Kushmanda
2	Kalinga	2	Karkati
3	Karkati	3	Kalinga
4	Kola	4	Karvellaka
		5	Kusumbha
		6	Karkoti
		7	Kakamachi

If all the drugs of *Kakaradi gana* and *Kakarashtaka gana* compiled together from various classical texts, they are around thirty seven numbers in total. All the drugs mentioned in various Ayurveda texts under *Kakarashtaka Gana* or *Kakaradi Gana* compiled with their respective English or Latin name are discussed here in Table No. 4.

Table 4: Combined drugs of Kakaradi Gana and Kakarashtaka Gana of various texts

Sr No	Drug Name	Part Used	English / Latin Name
1	Kushmanda	Fruit	Ash gourd/ pumpkin
2	Karkati	Fruit	Cucumber
3	Kalinga	Fruit	Watermelon
4	Karvellaka	Fruit	Bitter Gourd



Sahiti Pr	Mahesh S Pawar et.al	., A comprehensive review of Kak	karadi gana and its significance in Rasashastra
5	Kusumbha	Flower	Safflower
6	Karkoti	Fruit	Spine Gourd
7	Kakamachi	Whole plant / Fruit	Black nightshade
8	Kola	Fruit	Indian Jajube
9	Karamardaka	Whole plant / Fruit	Bengal Currant
10	Karira	Root bark/Fruits/Flowers	Capparis decidua
11	Kantari	Fruit	Wild eggplant
12	Kanji	Rice Gruel	Rice Gruel
13	Kamatha / Kurma	Mamsa(Meat)	Tortoise
14	Taila	Oil	Sesamumindicum
15	Rajika	Seed/Oil/ Leaves	Brown Mustard
16	Nimbuka	Fruit	Lemon
17	Keki / Kala	Mamsa(Meat)	Peacock
18	Kukkuta	Mamsa(Meat)	Cock
19	Vraintaka	Fruit	Brinjal
20	Kapittha	Fruit	Elephant Apple
21	Kangu	Seed/Leaves	Staff tree
22	Kanduka(Pugaphala)	Fruit	Areca catechu
23	Kroda	Mamsa(Meat)	Pig
24	Kulattha	Seed	Horse gram
25	Katutaila	Oil	White mustard
26	Krushna galak	Mamsa(Meat)	A type of wild Bird having black neck from cock family
27	Kalay	Seed	Pea
28	Kana(Pippali)	Fruit	Long Pepper
29	Karkaru	Mamsa(Meat)	Kumhada bird
30	Kataka(Nirmali)	Seed	Clearing nut tree
31	Karkota	Fruit	Momordicadioica
32	Kali (Kala Jeera)	Fruit	Black cumin
33	Kanchanar flower	Flower	Orchid flower
34	Karkotaka	Fruit	Balsam pear
35	Kapota	Mamsa(Meat)	Pigeon
36	Kalambi	Whole plant	Water spinach
37	Kadali	Fruit	Musa paradisiaca

Probable Rationale behind the Kakaradi Gana

Digestive fire(Agni) plays an important in the metabolic functions of the Human body. A good digestive fire performs role in Metabolism, Absorption and Excretion of the Drug. The patients who is diagnosed for any disease and asked for the Rasaushadhi as treatment; may have low digestive fire. The most of the dravyas (Drugs) mentioned under the Kakaradi gana are heavy (Guru) and may be difficult to digest(14). Hence these fruits and vegetables may have said to be contraindicated while the Rasasevana is in process.

As mentioned in RasaTarangini(15), as quoted elsewhere; due to the intake of the *Kakaradi gana dravyas*, the *Parada/Rasaushadhi* will be excreted in more quantity in the form of *mala mutradi* (waste products like stool and urine etc). This may result in inadequate effect of the *Rasaushadhi* on the indicated disease.

Hence the substances which maintains the balance of digestion, absorption and excretion should be consumed as they are *Pathya* and the substances which may gave rise to the indigestion, flatulence, burning sensation etc should be avoided during the administration of Mercurial preparations as the administered *Rasakalpas* (mercurial formulations) may not get digested and absorbed properly due to these substances¹⁷. They are *Apathyadravya* and some of them comes under the heading of *Kakaradigana*.

Most of the drugs of the Kakaradigana like Kushmanda (Ash gourd), consist of Sara guna

(purgative property). This may result in less time for the absorption in the intestine. So when any *Rasakalpa* if consumed with this substance, the medicine will excrete out of the body with less absorption and thus may not show the expected result on the body. That means medicine entered in the body should get enough time for the absorption to show the desired effects. Another drug from the *Kakaradigana*; *Kulattha* (Horse gram) is to be avoided during the *Shilajatusevana*¹⁷. The property of the *Kulattha* is *Ashmarighna*(Stone removing) hence it may remove out the *Shilajatu* before its proper absorption¹⁷. This might be the probable reason behind why not to take the *Kakaradi* vegetables and fruits while administration of the various *Rasakalpas*.

ISSN No: 0976-5921

Significance of the Kakaradi Gana

These *Dravyas* are believed to having the similar qualities (*GunaSadharmya*) and also similar as per *Shabda* i.e. *Kakaradi*. The *pathyadravyas* (wholesome diet/regime) should be preferred for eating during the period of *Rasasevana* (Administration of Mercurial formulations). The fruits and vegetables mentioned under the *Kakaradi gana* should be avoided during the ingestion of mercurial formulations. Also the *dravyas* other than these *Pathyapathya dravyas* can be taken cautiously with the consultation of the expert physician during the said period(16).

The substances of the *Kakaradi gana* can be consumed once the *Rasasevana kala* completed and this may help for chelating (17) the unwanted drug deposited



in the body during the period of mercurial formulations intake.

As mentioned by *Nighantu Ratnakara*(18), when there is occurrence of the *Paradavikaras* (Unwanted effect of Mercury); one should eat the ingredients of the *Kakarashtaka gana* to get rid of the untoward effect of the mercurial formulation.

As mentioned in *Rasarnava*(19), if anybody shows the untoward effect of the *Paradasevana*; that person is advocated to drink some medicinal drinks which includes some *Kakaradi gana dravyas* like *Kanji*, *Kadalikanda rasa*, *Karavellaka rasa* etc. This may help in detoxication of the ill effects of the *Parada*. As mentioned in *Rasendrachintamani*, *swarasa* (juice) of *Kakamachi* is also advised to drink in case of *Rasajirna*(20).

Though the drugs of these *gana* has been contraindicated during the *Rasasevanakala*; many of the drugs from it has wide therapeutic utility in the *Rasashastra* and *Bhaishajya Kalpana*. Many of these drugs are used as *bhavanadravya*, as an ingredient in many formulations and in *Rasabandhana*. Some drugs are used in *Paradasamskaras* like in *Dipanasamskara*, some are mentioned as *rasamooli*; few of them are from *Kakarashtaka gana*. E.g. *Kakamachi*, *Kusumbha*, *Kantkari*, *Kadali* etc(21).

Few drugs has been mentioned here as an example having various utility.

- 1. **Kakmachi**: *Kakamachi* is also extensively used in all Rasashastra Granthas. In almost all the Rasagrantha, its description is mostly found in the form of Bhavana Dravva or as one of the ingredient in the formulation. It is the drug used for Parada Bandhanas (binding of mercury) and having the position in different Ganas like Kakarashtak, etc. In Rasaratnasamuchchaya Kakamachi is found various places including its contraindication at the time of Rasasevana. Acharya has described the drug under the Vishghna Gana (group of drugs which counter acts poison) (RasaRatnaSamocchaya chapter 29, Shloka no 143). Acharya has also described it of the Rasa *BhavanadiMoolini* Dravyas(22). Acharyas has described it in the preparation like: Lokanath Gutika, Hrudayarnava Rasa(23) etc. In Rasatarangini the Kakamachi explained under RasasyaNiyamak Gana, ParadaMarak Gana(24), Kakarashtak, Abhrak (Mica) Maran Dravya, Abhraka Marana Gana(25). The Grantha has described the drug in Vamana Hara Yoga, as a Kushthahara also described under Kushmandadi gana(26) suggested for the removal of remained Paradaavasheshamsh in the body after Paradasevana kala.
- 2. **Karvellaka**: In most of the classics it is widely used as *bhavanadravya* and *shodhanadravya*. As per *RasaratnaSamucchhaya*, it is used for the *shodhana* of *Somala* (Arsenic trioxide)(27).
- 3. **Kushmanda**: It is also widely used as ingredient like in *Kushmandavaleha*, *kushmandaghrita* etc. Also it is

used as shodhana dravya e.g. as mentioned in Rasaratnasamucchhaya; it is used in Haratala shodhana(28)(Arsenic trisulfide). As per RasaTarangini, it is described under Kushmandadi gana(29) suggested for the removal of remained Paradaavasheshamsh in the body after Paradasevana kala.

ISSN No: 0976-5921

- 4. **Kanjika**: *Kanji* is widely used as *shodhana dravya*. It is also used in *Paradasamskara* like *swedana*(30), *mardana*, *murchhana*, *utthapana*(31) etc.
- 5. **Kulattha**: It is widely used as ingredient and as *shodhana* and *sattvapatandravya*. E.g. as per *RasaRatnaSamucchhaya*, it is used in *Sattvapatana* of Haratala(32).

Exception to the Kakaradi Gana

As mentioned in the RasaRatnaSamucchaya(33), though the Kakaradigana is advocated as unwholesome food during the period of the use of mercurial medicines; this rule should be applied for that particular Rasa (Mercurial) formulation only where Kakaradi gana is advised as contraindicated. The Kakaradi gana dravyas are not contraindicated in all the Rasa formulations. But still it will be better to avoid the Kakaradi Gana during Paradaseyana kala.

Discussion

Mercury (*Parada*) and other minerals used in therapeutics are in *shodhita* (Pure) form. If the due *shodhana* process (purifying methods) not followed properly, it may show some ill effects. The improperly prepared mercurial formulations may show ill effects. When there is toxicity of the *Parada*, some ingredients of the *Kakardadi gana* like *Karavellaka*, *Kadalikanda swarasa* (Juice) etc are advised to be consumed to get rid of the ill effects of the *Paradasevana*. Also after the completion of the *Rasasevanakala*, sometimes there may be some *Parada avasheshamsha* remained in the body; in such condition some *dravyas* from the *Kakaradi Gana* are suggested to detoxify the body and to nullify the ill effect of the retained part of *Rasaaushadhi*.

The Kakaradi gana fruits and vegetables if consumed during the period of the Rasasevana kala, the drug interaction may be like antagonism(17). It may hassle the absorption of the drug into the intestine. It may show impact on the final result of the medicine on the disease and desired effect may not be obtained. Use of Kakaradi Gana should be done judiciously and should not be used wherever marked as contraindicated. Ayurveda Prakasha and YogRatnakar included only six drugs in Kakaradi gana or Kadina Gana; is the least number of drugs described as Kakaradi drugs compared to other texts. The ingredients mentioned in both the classics are similar with no change. In RasaRatnaSamucchaya; under the Shrikrushnadevokta Kakaradi Gana, there are twenty number of drugs mentioned which can be considered to be maximum number of drugs compared to other texts. The drug



Mahesh S Pawar et.al., A comprehensive review of Kakaradi gana and its significance in Rasashastra

discussed only by Ayurveda Prakasha and Yogaratnakara under the KakaradiGana. The drug Kalambi is mentioned in Kakarashtaka Gana only by RasaChandamshu and Rasendrasarasamgraha, while others included Kadali instead. The drugs which are commonly included by all the Acharyas in their respective texts under Kakaradi Gana are around four while under Kakarashtaka Gana; they are around seven in number. Along with herbal drugs some animal origin regimens are also included in the Kakaradi Gana like the meat of Tortoise, Cock, Pigeon, Peacock, Pig etc. All the Kakaradi dravyas mentioned should be avoided during the period of Paradasevana kala for that particular mercurial formulations. Though for other Rasakalpas also better to avoid with the due consultation of the expert physician. Acharya Sharangadhara in his book Sharangadhara Samhita has quoted that all articles (i.e. foods, vegetables) whose names commence with syllable "KA" should be avoided during the course of treatment of administration of Lokanatha Rasa(34).

Conclusion

Commonly three group of regimens found under Kakaradi gana where in Kadiana or Shatakadina group, the number of drugs restricted to six; in Kakarashtaka gana, it is restricted to eight and in Kakaradi gana, there is no such limit is seen. After the review through various Rasashastra texts about the Kakaradi Gana and Kakarashtaka Gana; it can be concluded that; Kakaradi Gana, Kakarashtaka Gana or Shatkadina gana are the group of dietary drugs which are having a wider therapeutic utility and has a significant role in the various processes of the Rasashastra. Though they are suggested as contraindicated in Rasasevana kala but they are also advised to take if ill effects of the Rasaushadhi occurs. These drugs are mentioned in many nodal texts of Rasashastra. In many classical books; both the ganas Kakarshtaka and Kakaradi Gana are described separately. These group of regimens contains herbal source (Fruits, vegetables etc)as well as animal source (Meat) of origin drugs. As a whole, Kakaradi Gana and Kakarashtaka Gana has various utilities in many aspects along with contraindicated during Rasasevanakala. Also in some books like Sharangadhara Samhita, the Kakaradi gana drugs are said to be contraindicated during the course of treatment of some specific formulation also. Hence this review may prove to be helpful to provide a different aspect of Kakaradi Gana along with the detailed information about this gana under one roof.

References

- Kashinath Shasri; Acharya Sadanand Sharma's RasaTarangini, Ch.7 shloka no. 93-94; Motilal Banarasidas Delhi; 11th edition, 8th reprint 2014 Pg 170.
- Kashinath Shasri; Acharya Sadanand Sharma's RasaTarangini, Ch.7 shloka no. 99-100; Motilal

Banarasidas Delhi; 11th edition, 8th reprint 2014 Pg

ISSN No: 0976-5921

- 3. Kashinath Shasri; Acharya Sadanand Sharma's RasaTarangini, Ch.7 shloka no. 94; Motilal Banarasidas Delhi; 11th edition, 8th reprint 2014; Pg
- 4. Kashinath Shasri; Acharya Sadanand Sharma's RasaTarangini, Ch.7 shloka no. 93-94; Motilal Banarasidas Delhi; 11th edition, 8th reprint 2014; Pg 170
- 5. Gularaj Sharma Mishra; Acharya Madhav Upadhya's Ayurveda Prakash, Ch. 1 shloka 407-408; Chaukhambha Bharati Academy Varanasi; Reprint edition 2016; Pg 199.
- 6. Kulkarni D A; Rasavagbhata's RasaRatnaSamucchaya, Ch. 11 Shloka No 127-128; MeharchandLachhamandas Publications New Delhi; reprint edition 2017; Pg 234.
- 7. Kulkarni D A; Rasavagbhata's RasaRatnaSamucchaya, Ch. 11 Shloka No 129; MeharchandLachhamandas Publications New Delhi; reprint edition 2017; Pg 234.
- Indradeva Tripathi; Acharya Bhairavanand's Rasarnava, Patala 18 Shloka 120; Chowkhamba Sanskrit Series Office Varanasi; 6th edition 2018; pg 336.
- 9. Acharya Shalinath; RasaManjari; second chapter; shloka no 57-58.(e-copy).
- 10. CCRAS Delhi; RasaChandamshu; Purva Khanda, Shloka no 133 (e-copy) Pg 21.
- 11. GularajSharma Mishra; Acharya Madhav Upadhya's Ayurveda Prakash, Ch. 1 shloka 511-512; Chaukhambha Bharati Academy Varanasi; Reprint edition 2016; Pg 230.
- 12. Indradev Tripathi and Daya Shankar Tripathi; Yogaratnakara, Rasasindur prakaran, Rasendrasevane Apathyam shloka 6; Vaidyaprabha Hindi commentary; Chowkhamba Krishnadas Academy, Varanasi, edition 2013;, Pg 123.
- Satyartha Prakasha; Shri Gopalkrishna,s RasendraSaraSamgraha, Ch.1 Shloka no 113; Krishnadas Academy Varanasi 1st edition 1992; pg. 86.
- 14. Dhanya K Anto et. all; Role of Pathyapathyas in the administration of Rasoushadhas. (5.Nullyfying adverse effects) International journal of Ayurveda and Pharma Research.2017;5(6):47-51.
- Kashinath Shasri; Acharya Sadanand Sharma's RasaTarangini, Ch.7 commentary; Motilal Banarasidas Delhi; 11th edition, 8th reprint 2014; Pg 171.
- 16. Kulkarni D A; Rasavagbhata's RasaRatnaSamucchaya, Ch. 11 Shloka No 125-126 commentary; MeharchandLachhamandas Publications New Delhi; reprint 2017; Pg 233.
- 17. Dhanya K Anto et. all; Role of Pathyapathyas in the administration of Rasoushadhas. International journal of Ayurveda and Pharma Research.2017;5(6):47-51.
- 18. SiddhiNandan Mishra; Ayurvediya Rasashastra, Ch.3; Chaukhambha Orientalia varanasi; Reprint edition 2017; Pg. 283.



- 19. SiddhiNandan Mishra; Ayurvediya Rasashastra, Ch.3; Chaukhambha Orientalia varanasi; Reprint edition 2017; Pg. 283.
- 20. SiddhiNandan Mishra; AyurvediyaRasashastra, Ch.3 reference shloka no 5; Chaukhambha Orientalia varanasi; Reprint edition 2017; Pg. 283.
- 21. Kulkarni D A; Rasavagbhata's RasaRatnaSamucchaya, Ch. 11 Shloka No 51-56; Meharchand Lachhamandas Publications New Delhi; reprint 2017; Pg 213.
- 22. Kulkarni D A; Rasavagbhata's RasaRatnaSamucchaya, Ch. 11 Shloka No 54; Meharchand Lachhamandas Publications New Delhi; reprint 2017; Pg 213.
- 23. Kashinath Shasri; Acharya Sadanand Sharma's RasaTarangini, Ch.17 shloka no. 100; Motilal Banarasidas Delhi; 11th edition, 8th reprint 2014 Pg 430
- 24. Kashinath Shasri; Acharya Sadanand Sharma's RasaTarangini, Ch.7 shloka no. 10; Motilal Banarasidas Delhi; 11th edition, 8th reprint 2014 Pg 156
- 25. Kashinath Shasri; Acharya Sadanand Sharma's RasaTarangini, Ch.10 shloka no. 56; Motilal Banarasidas Delhi; 11th edition, 8th reprint 2014 Pg 231.
- 26. Kashinath Shasri; Acharya Sadanand Sharma's RasaTarangini, Ch.7 shloka no. 110; Motilal Banarasidas Delhi; 11th edition, 8th reprint 2014 Pg
- 27. Kulkarni D A; Rasavagbhata's Rasa Ratna Samucchaya, Ch. 3 Shloka No 125; Meharchand

Lachhamandas Publications New Delhi; reprint 2017; Pg 65.

ISSN No: 0976-5921

- 28. Kulkarni D A; Rasavagbhata's RasaRatnaSamucchaya, Ch. 3 Shloka No 70; Meharchand Lachhamandas Publications New Delhi; reprint 2017; Pg 54.
- 29. Kashinath Shasri; Acharya Sadanand Sharma's RasaTarangini, Ch.7 shloka no. 106; Motilal Banarasidas Delhi; 11th edition, 8th reprint 2014 Pg 173
- 30. Kashinath Shasri; Acharya Sadanand Sharma's RasaTarangini, Ch.5 shloka no. 46; Motilal Banarasidas Delhi; 11th edition, 8th reprint 2014 Pg 85
- 31. Kashinath Shasri; Acharya Sadanand Sharma's RasaTarangini, Ch.5 shloka no. 66; Motilal Banarasidas Delhi; 11th edition, 8th reprint 2014 Pg 89
- 32. Kulkarni D A; Rasavagbhata's RasaRatnaSamucchaya, Ch. 3 Shloka No 76; MeharchandLachhamandas Publications New Delhi; reprint 2017; Pg 55.
- 33. Kulkarni D A; Rasavagbhata's RasaRatnaSamucchaya, Ch. 11 Shloka No 130; MeharchandLachhamandas Publications New Delhi; reprint 2017; Pg 234.
- 34. Srikantha Murthy K R; Acharya Sharangdhara's Sharangadhara Samhita, ch. 12 Shloka No 72; Chaukhambha Orientalia, Varanasi; Reprint edition 2017; Madhyama khanda, Pg 163.
