



Review Article

A REVIEW ON SWARNA KALPAS MENTIONED IN RASARATNASAMUCCHAYA

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ABSTRACT

Rasasastra an independently originated science which became a significant part of Ayurveda deals with the pharmaceuticals and therapeutic aspects of the metals and minerals. Rasaratna samucchaya is a well known Rasasastra textbook which describes both the aspects of various Rasaushadhis. A literature review on Swarna kalpas mentioned in Rasaratna samucchaya has been conducted here. The available data was classified and tabulated in the order of chapters. A total of 52 formulations were identified with presence of Swarna as an ingredient and among them, more number of formulations (10) were mentioned in Vajikarana adhyaya compared to other chapters.

INTRODUCTION

Rasasastra or Ayurvedic alchemy is a branch of science that deals with the use metals, minerals, gemstones and their processing. Compared to the herbal preparation Rasaushadhis are considered more potent due to the faster action and assimilation even in smallest doses^[1]. Among the classification of Dhatus or metals, Rasasastra mentioned Swarna or gold as the primary one. A therapeutically ideal gold should be smooth, heavy, attractive, shines like a sun on heating and devoid of adulterants like silver and copper^[2]. Such an ideal Swarna was told to possess qualities like, Madhura rasa^[3], Seeta veerya^[3], Madhura vipaka^[4] and Trisoshaharatwa^[4]. It also have the properties like, Medhya (promote intellect), Brimhana (nourishing), Vrishya (aphrodisiac), Vishahara (removes toxins), Ruchya (improves taste perception), Rujaharam (relieves pain) and Netrya (improves eye sight). Even though Swarna have such phenomenal qualities, the therapeutic use of Swarna kalpas in present era has been very much limited. So, a review has been conducted to identify various Swarna kalpas, their benefits and practical utility.

Rasaratna samucchaya is a 13th century treatise, deals with the therapeutic aspects of Rasasastra and emphasize the use of metals and minerals in treating nearly 68 types of ailments^[5]. It contains 30 chapters, 3871 verses and detailed description of 960 formulations. The first 11 chapters are related with the theoretical and pharmaceutical aspects of Rasasastra while, 12 to 30th chapters represents the therapeutic aspects of Rasasastra. 12 to 25th chapters describes about various diseases including the pathology, types, symptoms and many useful formulations. 26th to 28th chapters are devoted to Jara roga (geriatric diseases), Rasayana (rejuvenation), and Vajikarana chikitsa (aphrodisiac therapy) respectively through use of both herbal and herbo-mineral formulations. Last three chapters (28-30) represents treatment of different ailments through the use of specific drugs, they are Lauha kalpa (formulations of iron), Visha kalpa (formulations of poisonous drugs), and Rasa kalpa (formulations contain mercury). Rasaratna samucchaya is the only Rasasastra textbook that deals with all the eight branches of Ayurveda. So, in order to understand the therapeutic uses of Swarna in various fields of Ayurveda, Rasaratna samucchaya was selected as the review text book.

MATERIALS AND METHODS

A literature review on Swarna kalpas (gold containing formulations) available in Rasaratna samucchaya was conducted and the data related to the formulations has been classified in the order of chapters with Prakarana.

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No	Formulation	Ingredients	Indications	Dose	Anupana
13th chapter – Kasa					
1	Ratnakaranda rasa	<i>Bhunaga satwa, Abhra satwa, Bhasma-kanthaloha, Swarna, Rajata, Abhra, navaratna, Tapyra, Vaikrantha</i> (all 1 Masha), <i>Rajavartha</i> (1 Nishka) * <i>Bhavana</i> = <i>Amlavethasa</i>	<i>Jwara, Grahani, Swasa, Kasa, Hikka, Sosha, Kushta, Mahodara</i>	-----	<i>Madhu, Ghrita</i>
14th chapter – Rajyakshma					
2	Kanakasundara rasa	<i>Bhasma – Rasa, Swarna, Haritala, Gandhaka, Tutha, Makshika, Kharpara, Manasila</i> * <i>Bhavana</i> = <i>Arkaksheera, Jayanti, Bhringaraja, Vasa, Pata, Chitraka, Agasthi, Langali</i> --- <i>Putra-Bhavana</i> = <i>Ardraka, Trikatu</i> for 7 times	* <i>Sula- Jayapala, Sundi, Ghrita</i> * <i>Sannipata- Ardraka swarasa</i> *all <i>Roga-Guduchi, Triphala</i>	2 or 3 Gunja	<i>Madhu, Ghrita, Pippali, Maricha</i>
3	Rajamriganga rasa	<i>Bhasma –Rasa</i> (3), <i>Hema</i> (1), <i>Rajata</i> (1); <i>Manasila, Haritala, Gandhaka</i> -fill <i>Varatika</i> , close mouth with <i>Tankana, Ajaksheera -Gajaputa</i>	<i>Kshaya</i>	4 Gunja	10 <i>Pippali</i> , 19 <i>Maricha</i> , <i>Madhu, Ghrita</i>
4	Hemagarbha potali rasa	<i>Bhasma- Rasa</i> (2), <i>Swarna</i> (1); <i>Gandhaka</i> (2)- <i>Bhavana</i> in <i>Chitraka Kashaya</i> - fill <i>Varatika - Puta</i>	<i>Rajyakshma</i>	4 Gunja	-----
5	Lokanatha rasa	<i>Bhasma – Rasa</i> (1), <i>Hema</i> (1/4); <i>Gandhaka</i> (2) – <i>Bhavana</i> in <i>Chitraka ksh</i> ; fill in <i>Varatika</i> , close mouth with <i>Tankana, Ajaksheera- Puta</i> at <i>Aparahna</i>	<i>Karshya, Kasa Agnimandya, Hikka, Pushti virya vardhana</i>	4 Gunja	<i>Ghrita, Maricha</i> (20 days <i>Maricha + Ghrita</i>)(avoid <i>Lavana, Dadhi, Ksheera</i>)
6	Vajra rasa	<i>Gharpara satwa, Hema bhasma, Gandhaka, Parada, Pravala, Mukthaphala, Loha, Sisa, Tamra</i> - <i>Bhavana</i> in <i>Changeri rasa</i> ; add <i>Abhraka, Haritala, Tutha, Tankana, Varatika, Angola bija</i> - <i>Bhavana</i> in <i>Matulunga rasa</i> - <i>Putra</i> in <i>Tusha, Karisha</i>	<i>Kshaya</i>	2 Masha	2 Masha <i>Gadhaka</i> , ½ <i>Masha Maricha, Madhu, Tambula patra</i>
15th chapter – Arsa					
7	Kanakasundara rasa	<i>Parada, Rajathamakshika, Kanthaloha, Abhraka, Naga, Swarna;</i> <i>Gandhaka</i> (equal to all) – keep in <i>Vidhyatara yantra</i> - <i>Putra</i>	<i>Sannipata, Kshaya, Karnasula, Sirasula, Dantasula, Hritsula, Kampavata, Ekangavata</i>	1 Gunja	<i>Trikatu</i>
8	Tikshnamukha rasa	<i>Bhasma- Rasa, Swarna, Tamra, Loha, Mandura, Abhra, Makshika; Manasila, Haritala, Gandhaka</i> - <i>Bhavana</i> in <i>Kanyasara</i>	<i>Arsa</i>	-----	-----
16th chapter – Ajirna					
9	Vatavanala rasa	<i>Bhasma- Tamra, Kanthaloha, Hema, Rajata, Samudraphena; Gandhaka, Haritala, All Lavana, Samivriksha Choorna, Chitraka Choorna, Nilanjana, Tutha+ 12 part Rasa</i> - <i>Bhavana</i> in <i>Nagavalli rasa- Gajaputa</i>	<i>Sarvaroga</i>	-----	-----

17th chapter - Prameha

10	Prameha gajasimha rasa	Bhasma- Rasa, Abhra, Hema, Naga, Vanga -Bhavana in Chandali rasa, Rakshasipushpa rasa - Gajaputa	Prameha	2 Masha	Madhu
11	Ramabana rasa	Bhasma- Hema, Rajata, Parada -Bhavana in Akulimoola ksh -add- Tapy, Vaikranta, Rajavarta -Tusha puta	All Prameha	1 Valla	Guduchi satwa
12	Rajamriganga rasa	Bhasma- Hema, Rajata, Tamra, Kantaloha, Naga, Vanga (in Kramavidhi); Abhrasatwa (equal to all) - Bhavana in Akulibija kashaya; keep in Malla musha & do Swedana - Store in Kanthaloha patra	Meha, Grahani, Pandu, Vrishya, Dipana, Pachana	2 Valla	Triphala kashaya
13	Vasantha kusumakara rasa	Bhasma - Hema (2), Abhra (2), Loha (3), Rasa (4), Vanga (3), Pravala (4), Muktha (4); -Bhavana in Ksheera, Ikshurasa, Vasa, Haridra, Mochakanda, Kamala, Malathipushpa, Usira (each 7 Bhavana)	All Prameha, Raktapitta, Kasa, Swasa, (Amlapitta - with Sita, Chandana)	1 Gunja	Madhu

18th chapter - Soola*, Karshya**

14	Trinetra rasa*	Bhasma -Sringa, Hema, Tamra, Rasa; - Bhavana in Ardraka rasa for 1 day; -Put	Pakthisula	1 Masha	Madhu, Ghrita (Madhu, Ghrita, Saindhava, Jeeraka, Hingu- after food)
15	Amritarnava rasa**	Bhasma - Rasa (3), Hema (1), Guduchisatwa (equal to all) - Mardana for 1 day	Krisanam pusti	1 Masha	Madhu, Ghrita or Aswagandha ½ Pala+ Goksheera

19th chapter - Panduroga

16	Kalavidhwamsana rasa	Sudha parada, Bhasma- Hema, Rajata, Tamra- Bhavana with Jambira rasa in Atapa for 1 day. Add- Parada (equal to all) - do Peshana - fill inside the Datura phala- Dolayantra Sweda for 3 days- take & prepare Potali, Paka in Ishtika yantra- prepare Pishti with Gandhaka + Jambira rasa, apply around the Pinda- Saravasamputa, Laghuputa- Jarana of Gandhaka and Lohabhasma- Mardana with Kandakari rasa- Kapotaputa in Karisha agni for 3 times. Bhavana with Brihati rasa, Chitraka ksh, Karanja Kashaya & Puta each for 2 times. - add 1/12 part Vatsanabhi Choorna	Pandu	1 Gunja	Gomutra pishta Abhaya+ Gomutra
17	Panchanana rasa	Bhasma -Kantha, Swarna, Rajata, Tamra, Abhra - Mardana with Rasa gandhaka Kajjali; Mardana by adding Choorna of Tapy, Haritala, Manasila- Gajaputa; take Bhasma- Mardana with 4 times Gandhaka yukta kajjali, Bhavana with Lungambu, 10 times Varaha puta;- 10 Puta with Haritala kajjali;- Puta with 1/16 part Vaikranta bhasma	Sarva Pandugada, Yakshma, Halimaka Ruja, Vitbandha, Kushta, Grahani, Galamaya, Swasa, Kasa, Durnama	---	Pathya, Surana, Sundi with Ghrita

20th chapter – *Kushta*

18	Pithakushtahara rasa	1 part- <i>Krishnabhra, Ghratapachita Gandhaka, Trikatu, Chitraka, Twak, Musta, Vatsanabhi</i> ; 3 part- <i>Jivaka chr, Harenu chr</i> ; 5 part- <i>Hema Choorna Bhavana in Ajamutra</i>	<i>Pithakushta</i> (by 21 days)	<i>Badaras thi</i> size(1 Kola)	-----
19	Kanakasundara rasa	<i>Swarnapishti, Abhraka satwa pishti</i> + 2 times <i>Rasa -Valuka yantra paka</i> -add- <i>Trikatu, Chitraka, Bhallathaka -Bhavana in Ajamutra</i>	<i>Kaphaja kushta, V-K Vikaras, Arsa, Agnimandya</i> , (by <i>Kubera-</i> for <i>Twak vikara samana</i>)	1 <i>Gunja</i>	-----
20	Vajradhara rasa	<i>Bhasma- Vajra, Rasa, Abhra, Hema; Haritala</i> (equal to all) <i>Bhavana in Sigru, Dhatura, Snuhiksheera, Arkaksheera</i> for 1 day; <i>Bakuchi taila</i> for 7 days	<i>Sarva kushta</i>	1 <i>Masha</i>	-----
21	Sarveswara rasa	<i>Rasa</i> (1), <i>Gandhaka</i> (4); <i>Bhasma- Tamra, Abhra, Loha, Hingula</i> (1 <i>Pala</i> each), <i>Hema, rajata</i> (10 <i>Nishka</i> each), <i>Vajra</i> (1 <i>Masha</i>), <i>Haritala satwa</i> (2 <i>Pala</i>) - <i>Bhavana in Jambira rasa, Dhatura, Snuhi, Arka, Vishamushti, Hayari Kashaya</i> (each for 1 day); - <i>Valukayantra</i> ; - add <i>Vatsanabhi</i> (1 <i>Pala</i>), <i>Pippali</i> (2 <i>Pala</i>)	<i>Mandala kushta, Supti</i>	2 <i>Gunja</i>	<i>Madhu / Bakuchi Devadaru</i> (1 <i>Karsha</i>) + <i>Erandataila</i>

21th chapter – *Ekanga vata*

22	Chatusudha rasa	<i>Swarna, Rajata, Tamra</i> is added with equal quantity of <i>Swarna makshika</i> & subjected to <i>Putra</i> separately for 100 times - 12g <i>Bija</i> of each <i>Loha jarana</i> in 5 <i>Pala rasa</i> . - <i>Kacchapa yantra paka</i> of this rasa by adding <i>Bida (Gandhaka, Kasisa, Vyosha, Kankshi, Sauvarchala)</i> . - <i>Bhavana with Changeri rasa</i> . - Prepare <i>Kajjali (Jarita rasa+ Gandhaka)</i> - <i>Kajjali dravana</i> , - add <i>Abhra satwa</i> - prepare <i>Parpati</i> - add 1/30 part <i>Vaikranta</i> . <i>Bhavana with Hingu toya</i> for 100 times, - <i>Swedana in Malla musha</i> , - make powder.	All <i>Vataroga, Kshaya, Pandu, Agnimandya</i> , 8 <i>Maharoga</i>	<i>Mudga matra</i>	----- (avoid- <i>Moolaka</i>)
23	Prabhavati vati	<i>Hema, Abhra, Tikshna Loha, Tapyra, Tamra, Haritala</i> ; 7 times <i>Rasa</i> ; - <i>Bhavana In Sariba, Chitraka, Snuhi, Sobhanjana, Pata, Surana, Nirgundi, Bhang, Eranda</i> ; - make <i>Kalka</i> by mixing with <i>Kanguni taila, Gandhaka taila, Katutaila</i>	<i>Vatavikara, Udara, Apasmara</i>	---	<i>Ardraka rasa/ Dasamoola Kashaya + Pippali Choorna</i> after medication
24	Vatavanala rasa	<i>Rasa, Hema, Rajata, Tamra, Kanthabhasma, Makshika, Haritala, Nilanjana, Tutha, Samudraphena, Panchalavana</i> - <i>Bhavana with Vajraksheera, -Paka in Bhudhara puta</i>	<i>Dhanurvata, Dandavata, Kampavata, Sringalavata</i>	1 <i>Masha</i>	<i>Ardraka Rasa/ Pippalimoola Kashaya + Pippali churna</i>

22rd chapter – *Vandhya chikitsa*

25	Jayasundara rasa	<i>Bhasma - swarna, Rajata, Tamra, Tapyra satwa; Parada</i> (4 times), <i>Gandhaka</i> (2 times);- <i>Bhavana in Lakshmana, Bandhujiva swarasa; Paka in Kupi</i> , - <i>Bhavana in Lakshmana swarasa</i> for 7 times.	<i>Vandhya bhavati putrini</i> (by 3 months), all <i>Suthika rogas</i> , get <i>Deerghayu putra</i>	1 <i>Gunja</i>	<i>Aswagandha Choorna</i> , milk of <i>Tamra varna cow/ Sita</i>
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26	Vardhamana rasa	½ Pala swarna+ ¼ Pala tamra; - do Nirvapana (100 times);- do Gandhaka Jarana (6 times) in Sarana yantra; - do Sarana karma by adding 2 Pala rasa and keep it in Ishtika yantra; do Jarana with Matulunga bhavita gandhaka; make powder;-add 1//6 th part Vajra & Vaikranta bhasma;-Bhavana with Lingika patra rasa, Madhu, Bandhujiva rasa, Lakshmana rasa separately - Puta for 12 times after each Bhavana; make powder.	Vandhyatwa, Alparetas, Bijadosha	---	----
27	Drutisara rasa	Pishti made of Abhra + Swarnayukta rasa, add Gandhaka – do 100 Puta	Gives Yauvana, Sthairya to Stri; cures fear of Bhuta preta Pisacha; cures Janmavandya, Kakavandhya, Mritavatsa	1 Gunja	With Mandukaparni/ Vacha - in Mandabudhi
23rd Chapter – Apasmara*, Netraroga**					
28	Navanga vatika*	Bhasma- Hema, Raja, Tamra; Srotonjana, Abhraka, Manasila, Gandhaka (all equal)	Apasmara	--	--
29	Chandabhairava rasa*	Sudha hema, 1/10 Rasa, Vatsanabha Bhavana in Chitraka, Devadali ksh Paka in Gandhaka taila	Unmada	--	--
30	Navanetradatri vati**	Bhasma- hema (2), Rajata (4), Tamra (16); Madhuka Choorna (14), Kushta (12), Vacha (10), Saindhava (8), Pippali (6)- Bhavana in Ajaksheera Keep in Tamrapatra	Abhishyanda, Atimandha, Kukunaka, Vranasukla, Timira, Kacha, Kandu	--	--
31	Swarnadi varti**	Swarna, Varatika, Rasa Bhavana in Putikaranja rasa	Netrapushpa	--	Navanita
24th Chapter – Chaladantha*, Indralupta**					
32	Hemataradi vatika*	Hema, Tara, Rasa, Haritala Bhavana in Ksheera, make Gutika; Dolayantra sweda in Tila thaila	Danthadartyakrit	--	--
33	Bhallatakadi lepa**	Gharshana with Swarna till end of Suptata. Then Lepa with Bhallathaka, Brihati, Gunjaphala with Madhu	Indraluptha	--	--
25th Chapter – Garavisha					
34	Kanakadi vatika	Bhasma- Hema, Vanga, Tikshna loha; Kandakari, Hapusha, Rasasindoora, Manasila	Garavisha	--	--
35	Tharkshyasoota	Rasa, Gandhaka, Tankana, Hema, Bhavana in Meghanada rasa (Chaulai); keep in Kanthapashana musha Bhutara puta Bhavana with Meghanada rasa	Vishahara	--	--
26th Chapter – Jara roga					
36	Hemadi rasayana	Hema, Datri, Madhu, Gayatri rasa (Lehya)	Drishtarishtopi jeevati	--	Ksheera
37	Kantha rasayana	Swarna (1/4); Kantha, Abhra, Tamra, Vaikranta, Tapyra, Rajata, Vidanga, Katuki (all 1 part)	Vrishya, Suputriyam, Deepanam	--	Devadaru taila

			<i>param</i>		
38	Kanthabhra rasayana	<i>Bhasma – Abhra, Kantha; Bhavana in Ardraka rasa; add Hema Choorna (1/16); Bhavana in Bijapura rasa, Vasa rasa, Mandi rasa, Talamooli rasa, Dasamoola rasa (acc to disease).</i>	<i>Pandu, Sopha, Udara, Grahani, Sosh, Kasa, Santhata-Satata-Purana-Vishama jwara</i>	--	<i>Triphala, Trikatu, Madhu, Ghrita</i>
39	Kamalaravinda rasa	<i>Bhasam- Loha, Abhra, Rasa, Swarna, Rajata; Gandhaka -Bhavana in Kumari rasa -Cover with Eranda patra, keep inside Dhanya for 3 days.</i>	<i>Jara nasana, Rasayana varam, all Prameha, 5 Kasa, Halimaka, VK Roga, Kushta, Visarpa, Vidrati, Apasmara</i>	--	<i>Madhu, Triphala</i>
27th Chapter – Vajikarana					
40	Kamakalakhya rasa	<i>Hema, Suta, Abhra -Bhavana in Musali, Kadalikantha Aswagandha, Kaseruka -Put; take with Salmali Choorna for 21 days - Sarvanga udwarthana with Yava, Salmali rasa - Use Madhura ahara</i>	<i>Sahasram Ramate sthriya</i>	4 Masha	<i>Go ksheera</i>
41	Kamadeva rasa	<i>Rasa (1), Hema (1/4); Sweda with Salmali rasa, Kadalikantha rasa, Ksheera, Ikshurasa, Goghrita, Makshika; add-Salmali, Ksheera, Gokshura, Sarkara, Amalaka, Draksha, Musali, Madhu</i>	<i>Dravayet vanita sataam</i>	--	--
42	Kusumayudha	<i>Rasa (2), Suvarna vimala (2), Tapy (2), Gandhaka (4), Mandura(1/2), Swarna (3/4), Krishnabhra(3/4)+ Hingula = Mardana; - Musha keep in Valukayantra (Anavrita); do Paka with Swarasa of Bhrahmi, Vasa, Kunjara sundi, Trikatu, Meshsringi, Nirgundi, Talamooli. -do Puta</i>	<i>Valipalita nasanam</i>	1 Valla	<i>Salmali niryasa</i>
43	Suthendra rasa	<i>Muktaphala, Pravala, Suvarna, Rajata, rasa, Gandhaka (1 Tola each); -Bhavana with Raktotpala swarasa; Mardana by adding 4 Masha gandhaka; - kept in the Kachakupi – Valukayantra paka</i>	<i>Sukrakshaya, Dhvajabhanga, Durbala sarira</i>	5 Gunja	<i>(Pathya – Sali, Godhuma, Mudgayusha, Ghrita, Kshira, Paravata Mamsa)</i>
44	Kamadhenu rasa	<i>Hema, Abhra satwa, Tamra, Bhunaga Satwa (1 Pala each)- do Dravana; add Rasa (20 Pala) - prepare Pishti; -Parada Bhasma (2 Pala), Vajra (1 Nishka), Abhra satwa (6 Pala), Gandhaka (2 Pala) - do Mardana; mix all; Jarana by adding Salmalimoola Kashaya</i>	<i>Dukhasadhya rogas, Agnimandya, Stree satam sevet</i>	1 Gunja	<i>Ghrita</i>
45	Maha kanakasundara rasa	<i>Kantha-Swarna-Gandhaka jarita rasa bhasma, Swarna bhasma, Gandhaka; Jarana in Kanthapatra. Keep in Ghrita Lepita madhupoorna mritpatra along with 360 Haritaki for 1 month. Then, 1 Haritaki should be divided into 3. 1st part divide into 2 and use for 2 days; 2nd part divide into 3 and use for 3 days; 3rd part divide into 4 and use for 4 days; then 1</i>	<i>100yr life, Sarvavyadhihara, Akshiroga, Valipalita, all Kushta, Grahani, Prameha, Arsa, Sula, Sthaulya,</i>	--	--

		Haritaki for rest of the yr.			
46	Amritarnava rasa	Swarna+1/8 Rasa, Hingu, Hingula, Gandhaka, Tapyra (all equal); - 100 Puta; add 2 times Rasa, 4 times Hingula, 8 times Tapyra; - Mardana with Matulunga rasa for 2 days; - 3 Puta with Tusha	Yakshma, Gara, Arsa,	1 Gunja	Sita, Ghrita, Pippali
47	Madanasanjivana rasa	Sudha parade (3 Pala), Gandhaka (4 Pala). Abhrasatwa, Kantha bhasama (1 Karsha each); Swarna vimala (2 Pala), Bhunaga satwam (3 Pala)- do Peshana -Keep in Valuka yantra, Paka by adding Mandukaparni, Brahmi, Chitraka, Hastisundi, Nirgundi, Gokshura; - make Gutika by adding Madhu; - keep in Musha and do Paka with 10 Vanopala	Sukrasthambham karoti, Vardhakya-mrtyu jit	2 Valla	Ghrita, Madhu, Sita, Dugdha
48	Pushpadhanwa rasa	Pishti- Hema, Tara, Tamra; Paka with Rambhakanda in Bhudhara yantra; add Triguna sudha gandhaka, Kanthabhasma; -Bhavana with Salmali yasti Kashaya for 15 days, them with Nagavalli rasa for 1 Yama	Pushti, Virya, Deepana	1 Valla	--
49	Rasendra chudamani	Sudha parada, Bhasma- Swarna, Naga, Abhra, Vanga, Kanthaloha, Swarna & Rajata makshika (Kramavidhi);-Bhavana in Dhatura patra rasa, Vijaya rasa, Pippali, Guduchi, Sariba, Jyotishmati, Lajjala, Nagaramodha, Varahikandha, Satavari, Bhujagadrishti (in each for 7 times);- add ½ part Ahiphena churna;- Bhavana with Tulasi rasa, Chandana, Arka, Pipplai, Sravani, Kunkuma, Kamalakanda (once in each); make powder.	(Avoid Ratri Bhojana, only Ksheera seva) Kamasakti vardhana	2 Masha	Sarkara, Madhu
28th Chapter - 2nd Lohakalpa					
50	Lohakalpa	Bhasma- Hema, Rajata Bhavana- Tiphala, Bhringaraja	Bhrimhana, Vrishya, Ayushya, Kamala, Pandu, Kushta	1 Gunja	Triphala, Sita, Madhu, Ghrita
30th Chapter - Rasakalpa - Kshaya					
51	Mritasanjivani vati	Bhasma- Kantha, Abhra, Tapyra, Vajra, Swarna, Rasa - Peshana with Amlakanji for 7 days; -add Kalka of Gajihwa, Vayasi, Pathya, Nirgundi, Madhu, Saindhava; - Paka in Bhudhara yantra for 15 days till Katinata disappear; - add Kalka of Yava, Chinch, Palasa, Aksha, Raji, Karpasa, Tandula; - Paka in Musha using Khadira agni;- add Tankana, Sweta kacha during Paka;- add Swarna (equal) into Rasa for Jarana.	Sukra sthambhana, Vardhakya mrtyu jit	--	--
52	Rasayana rasakalpa	Patanakarmayukta rasa bhasma+ Hema Choorna (for 6 months)	Rasayana	--	Satavari rasa

RESULT AND DISCUSSION

The Swarna containing formulations are available in different dosage forms like *Kharaliya rasayana*, *Parpati rasayana*, *Pottali rasayana* and *Kupipakwa rasayana*. The dose, *Anupana* and effectiveness of medicine might differ with the change

in dosage forms. Most of the Swarna containing formulations were found as *Kharaliya kalpanas* and other dosage forms are also available like, *Bhallathakadi lepa* in *Indralupta* and *Hemadi rasayana*

which is *Leha yoga* mentioned in conditions of *Jara vyadhi*.

Soothendra rasa is a formulation mentioned in *Vajikarana adhyaya* comes under the *Kupipakwa rasayana*. There are two *Pottali kalpanas* namely *Hemagarbha pottali* and *Lokanatha rasa* mentioned in the *Rajayakshma adhikara*. The practical approach of *Pottali* preparation involves four different methods, and among them these two formulations comes under the *Varatika poorana* method. The *Swarna* is told to possess *Snigdha, Medhya, Brimhana, Vrishya, Tridosahara* properties and is indicated in *Dhatu kshayaja* conditions like *Rajayakshma*^[6]. By converting the *Swarna yogas* into more potent *Kalpanas* it can cure even the most chronic disease conditions.

CONCLUSION

It can be concluded that, the *Swarna kalpa* can be administered in a variety of disease conditions with specific doses and by using appropriate *Anupana*. A total of 52 formulations were identified with the presence of *Swarna* as an ingredient and among them, more number of formulations (10) were mentioned in *Vajikarana adhyaya* compared to other chapters. Among the formulations, majority (90%) of them were comes under *Kharaliya rasayanas*. 2 formulations were

included under *Pottali kalpana* and one each from *Kupipakwa, Leha* and *Lepa kalpanas*.

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