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CLASSICAL UTILITY OF PANCHATIKTA GUGGULU GHRITA IN ITS INDICATIONS-LITERARY REVIEW

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ABSTRACT

Sneha Kalpanas in Ayurvedic medicine are very effective and unique preparations. In classics, for single formulation many indications are stated. For same preparation, some of ingredients are altered in various Samhitas. For a single disease, exact same protocol of treatment cannot be followed. Because treatment protocol will be based on many factors, treatment has to be employed by looking into the involvement of Dosha, Dooshya (tissues) and based on the diseased condition of a patient. In such condition, Yukti (reasoning capacity) of a physician plays important role. Panchatikta Guggulu Ghrita (PTG Ghrita) is one unique formulation which has many indications stated in different Ayurvedic classics. The utility of this medicine can be made by looking into classics thoroughly and analyzing the condition of a patient. PTG Ghrita is indicated in almost all Dhatu and all Srotogata vyadhis (Systemic diseases). PTG Ghrita can be used as Sneha Drava, as a Shodhanaga sneha (oleation in purificatory therapies), as a Shamananga sneha (oleation in Palliative treatment) and also it can be used as Sneha Dravya in Basti dravya (drugs in Enema therapy).

Keywords: PTG Ghrita, Panchatikta Guggulu Ghrita, Panchatikta Ghrita Guggulu, Asti-MajjagataVataVikara,

INTRODUCTION

Panchatikta Guggulu Ghrita (PTG Ghrita) is one of the popular widely used preparations in Ayurvedic system of medicine. While reviewing ancient texts variations are found regarding preparatory procedures, ingredients used, and there are many indications mentioned for Panchatikta Guggulu Ghrita in different treatment aspect. In such condition, it is difficult to employ a medicine in treating a disease. Then it will be in purview or Yukthi of Physician to use the medicine based on the Dosha-Dooshya involvement in treating disorders. In recent times some of most seen disorders in ayurvedic hospitals are related to the diseases pertaining to Asthi-Majjagata vata Vikaras (Diseases of Bone and Bonemarrow), dermatological disorders & neurological disorders. As the PTG Ghrita is mainly indicated in such conditions, hence this medicine is a boon for Ayurvedic physicians. Here is an attempt made on literary review to analyze the proper classical utility of PTG Ghrita in its indications based on classical principles of Ayurveda.

REVIEW OF LITERATURE

Table 1: PTG Ghrita is mentioned in different texts with slight difference in ingredients and indications.

Sl.No	Text name	Indications	
1	Astangahridaya-chikitsasthana chapter 21- Vatavyadhi	Vatavyadhi	
	chikitsa, Shloka no. 57-59,		
2	Bhaishajyaratnavali, chapter 54, Kushtaroga chikitsa-	Kushta, Visarpa, krimi, Dustavrana, Panchakasa.	
	prakaran,Shloka no.257-260		
3	Chakradatta, Kushtachikitsa, chapter.50 Shloka no. 99-102	Kushta, Visarpa, krimi, Dustavrana, Panchakasa.	
4	Yogatarangini Chapter.66 Shloka no. 4	Kushta	
5	Gadanigraha Chapter.1 Shloka no. 239-241	Kushta	
6	Sharangadhar Samhita Ch.9Shloka no. 91,92	Pandu, Kushta, Visarpa, Krimirog, Arshas	
7	Yogaratnakar Vatavyadhi Chikitsa shloka no.1-4	Vatavyadhi, Kushta, Pandu,Bhagandar, Vidradhi,	
		Vatarakta, Nadivrana, Prameha	

METHOD OF PREPARATION OF PAN-CHATIKTA GUGGULU GHRITA¹

Ref- Ashtanga hridaya, Chikitsasthana.21/57-59, as per AFI

1. Nimbatwak (Nimba) (St.Bk) 480g

2. Amrita (Guduchi) (St) 480g

3. Vrisa (Vasa) (Rt) 480g

4. *Patola* (Lf/Pl) 480g

5. Nidigdhika (Kantakari) (Pl) 480g

6. Water for decoction 12.288lt

7. *Ghrita (Go ghrita)* (Ghee) 768g

8. Kalka dravyas

Patha (Rt), Vidanga (Fr), Suradaru (Devadaru) (Ht.Wd) Gajopakulya (Gajapippali) (Fr), Yavakshara (Yava), Sarjikshara (svarjiksara), Nagara (Shunti) (Rz), Nisha (Haridra) (Rz), Mishi (Mishreya) (Fr), Chavya (St), Kushta (Rt), Tejovati(Fr), Maricha (Fr),

Vatsaka (kutaja) (st.Bk), Dipyaka (yavani) (Fr), Agni (chitraka) (Rt), Rohini (katuka) (Rz/Rt), Aruskara (ballataka)- shudda (Fr), Vacha, Kanamula (pippali) (Rt), Yukta (rasna) (Rt/Lf), Manjishta (Rt), Ativisa (Rt.Tr), Visani (Ativishabheda) (Rt), Yavani (Fr) each drug 12gm should be taken and all drugs are grinded well together and bolus is prepared.

9. Guggulu- shudda (Purified Exd) 240g

The above drugs from 1 to 5 are taken in water in prescribed quantity, boiled and reduced to 1/8th, i.e. 1.536 It and then filtered. To this 5 pala (240gm) of Shuddha Guggulu and one Prastha Ghrita (768gms) and Kalka dravyas each one Karsha (10gm) are added and heated over mandagni (low flame) till Sneha siddha lakshanas are achieved. Guggulu should be suspended into the Kvatha (decoction) while boiling by the process of Dola yantra.

Table 2: Properties of ingredients of *PTG Ghrita*

Property	Drava dravya	Ghrita	Guggulu
Rasa	Tikta	Madhura	Katu
Guna	Laghu, Ruksha	Snigdha	Laghu, Sukshma, Teekshna, Snigdha, Sara ²
Vipaka	Katu	Madhura	Katu
Veerya	Ushna	Sheeta	Ushna
Doshaghnata	Kapha Vatashamaka	Vatapittahara ³	Tridosha hara ⁴
Karma	Vishagna, Krimigna, Lekhana, Jwaragna, Deepana, Pachana, Stanyashodhana, Upashoshana of kleda-meda-vasa-majjalaseeka-pooya-sweda-mootra-pureeshapitta-shleshma, Moorcha-daha-kandukusta-trishnaprashamana.	Smruti-buddhi-agni- shukra-kapha- medovardhaka Visha-Unmada-Shosha- Jwarahara ³	Swarya, Rasayana, Balya, Medomehashma

Probable Properties of Panchatikta Guggulu Ghrita

- Rasa:-Tikta, Kashaya, Madhura
- Guna:-Laghu, Ruksha, Snigdha, Ushna, Sookshma, Teekshna, Sara
- Veerya:-Ushna(Though Ghrita having Sheetaveerya, it is having Agnivardhaka property)
- Vipaka:-Katu (Madhura vipaka of ghrita)

Doshaghnata:-Tridoshahara

Classical Indications of PTG Ghrita

Sandhigatavata, Asthigatavata, Majjagatavata, Nadivrana, Kushta, Arbuda, Bhagandara, Gandamala, Gudaroga, Meha, Yaksma, Aruchi, Shwasa, Pinasa, Kasa, Shopha, Hridroga, Pandu, Mada, Vidradhi, Vatarakta and Urdhvajatrugata Roga.

Table 3: *Vyadhi – Srotosambhandha* (Relation between diseases and channels)

Srotas (chan- nels)	PTG Ghrita indicated Vyadhis ⁵	Chikitsa adopted ⁶
Rasavaha	Pandu, Aruchi	Langhana
Raktavaha	Kusta, Visarpa, Vatarakta, Vidradi, Nadivrana	Virechana, Upavasa, Raktamokshana
Mamsavaha	Arbuda, Gandamala	Samshodhana, Kshara, Agni
Medavaha	Prameha,	Guru, Apatarpana
Astivaha	Astigatavata	Panchakarma, mainly Basti Tiktadravyasadhita kshira sarpi prayoga
Majjavaha	Majjagatavata	Madhura Tiktaoushadha prayoga
Pranavaha	Yakshma, Kasa, Shwasa	Swasahara chikitsa ⁷ .

UTILITY OF PTG GHRITA IN PANDU (ANE-MIA)

In Pandu roga, (Anemia) vitiated Pitta aggravates in Hridaya and by the force of Vayu, the Pitta situated in *Hridaya* spreads through all over body along with Dashadhamani (ten circulatory vessels) and gets settles in between Twacha (skin)

- and Mamsa (muscle tissue). Thereafter, it initially vitiates Kapha, Vata, Rakta, Twacha & Mamsa⁸.
- Treatment adopted for Pandu roga is "snigdhateekshna urdva anulomaka".
- For Snehana, use of Snehas –Panchagavya Ghrita (mentioned in treatment of Apasmara), Kalyanaka Ghrita (mentioned in treatment of Unmada) are mentioned in *Pandu chikitsa* by Charakacharya¹⁰.

It's clear that the Ghritas are indicated for disorders of mind/brain. Brain tissue is mastulunga majja i.e. Majja Dhatu. One of the conditions like Aplastic anemia, where bone marrow (Majja dhatu) is affected. Similarly, PTG Ghrita can be indicated in *Pandu roga* where *majja dhatu* is involved; so, as *Poorva karma* for the purpose of snehana, PTG Ghrita can be used.

UTILITY OF PTG GHRITA IN KUSHTA (DIS-**ORDERS OF SKIN)**

Kushta is Tridoshajanya vikara, Udbhava sthana (origin) of Kushta is Amashaya. Initially Doshas are getting lodged in Twak (Skin) & Shakhas (Extremities). Then Doshas keep moves and produces Mandalas (Circular patches). Then Doshas gets lodges in deeper Dhatus. Then through Tiryakgami Siras (blood Vessels), Vyadhi (Disease) spreads to whole body along with aggravation of Pitta and Shleshma, circulates through Siras and spreads Kusta¹¹. In Kushta roga, Doshas mainly vitiates Dushyas likeTwak, Rakta, Mamsa & Ambu¹². In treatment of kushta; after purification i.e. after Kapha-Pitta-Rakta Shodhana, Samshamana chikitsa should be adopted with the Drugs having Tikta-Kashaya rasa (Bitter and Astringent taste).

Some Kashaya (Decoction) and Ghrita yogas mentioned by Charakacharya,

- Triphala, Nimba, Patola, Manjista, Rohini, Vacha, Rajini kashaya in Kapha-pittajaKushta
- Ghrita prepared with Kashaya kalka of Above dravyas in Vatolbhana Kushta
- Kadhira sara, Vijayasara, Devadaru, Nimba kashaya in Kaphapittaja Kushta
- Gritha prepared with Kashaya Kalka of Above dravyas in Vatolbhana Kushta¹³

Other Ghritas mentioned in Kushta are Khadira Ghrita, Nimba Ghrita, Daarvi Ghrita, Patola Ghrita¹³. In all types of Kushta, Laghu anna (light food) & Tikta rasayukta vegetables are to be given and Bhallataka, Triphala, Nimbayukta Anna and Grithas are to be given as *Pathya*. 13

The drugs mentioned in most of the Yogas (preparations) in Kushta chikitsa are ingredients of PTG Ghrita. So, PTG Ghrita can be used as Shodhananga Sneha as well as Shamananga Sneha.

UTILITY OF PTG GHRITA IN VIDRADHI (AB-SCESS)

Here we have to consider Majjagata Vidradhi, after taking incision of bone, pus is drained, the wound should be washed with Tikta-kashaya Dravyas, and patient should be given Tiktadravya siddha Ghrita for pana (drink).¹⁴ Osteomyelitis may be treated in this way. Vagbhatacharya opines that, after Shodhana with Trayantadi Ghrita or Tilvaka Ghrita, Tiktaka Ghrita mentioned in *Kushta* treatment is given internally with honey and in all stages of Vidradhi, Guggulu Yogas should be used¹⁵. So *PTG Ghrita* is drug of choice in the management of Vidradhi.

UTILITY OF PTG GHRITA IN VATARAKTA (GOUTY ARTHRITIS)

There are two types based on Adhistana (Seat). 1). Utthana (Twacha-Mamsashrita) and 2). Gambhira (Sandhi-Asti-Majjashrita). Treatment adopted for Gambhira Vatarakta is, "Virekaasthapana snehapanai gambhiramacharet" 16 i.e. Snehapana, Virechana and Asthapana basti are given in Vatarakta. Charakacharva also mentioned about utility of Guggulu and Madhu (Honey) are Vataraktanashaka¹⁶ and Saghrita ksheerabasti is indicated in Vatarakta- "NirhaharedVaa Malamtasya Saghritai Ksheera bastibhi Na hi Basti samam kinchid Vatarakta chikitsitam $||^{16}$. In Vatarakta, Doshas or Malas are removed by Saghrita Ksheera basti and there is no better treatment other than Basti in the management of Vatarakta. So here in the Saghrita Ksheerabasti, PTG Ghritha is used as a Sneha dravya in Basti because PTG Ghrita is mainly indicated in Asti-Majja dhatu ashrita vyadhis.

UTILITY OF PTG GHRITA IN ASTHI KSHAYA (OSTEOARTHRITIS/ OSTEOPOROSIS)

Arunadatta in his commentary Sarvangasundari, in case of Asthi Ksaya, KsheeraghritaTikta Samyukta Basti is advised. In Asthi Kshava, there is no such drug which causes Asthi Vriddhi. When Tikta dravya is used, it causes Vata Vruddi and it will lead to Asthi Kshaya. Since Asthi is Khara by its nature, in order to control Vata and to make Asthi Vruddi, Drug of choice should be drugs possessing *Gunas* (properties) like, Snigdha (Unctuousness), Shoshana (absorption of moisture) and Khara (Roughness)¹⁷. For this type of combination of properties, Ksheera Ghrita Tiktavukta Basti is advised. 17

PTG Ghrita is the compound formulation having these Snigdha, Shoshana and Khara qualities. Snigdha Guna is obtained by Ghrita, Shoshana Guna is obtained by Tikta Rasa and Khara Guna is obtained by Guggulu. In case of Asthi Kshaya, or in case of Sandhivata, Matrabasti with Panchatikta Guggulu Ghrita is advocated or PTG Ghrita can be used as Snehana Dravya in Ksheera basti.

UTILITY OF PTG GHRITA IN ARSHAS (HEM-**ORRHOIDS**)

Arshas is Tridosha Prakopajanya Vyadhi, Doshas vitiates Twak, Rakta and Mamsa Dhatu. Doshas get Sthanasamsrita (accumulates) in Guda (Anal region) and produces Mamsa Ankura in Gudavali.

In view of treatment, Arshas can be classified based on treatment as: Bheshajasadya, (Treatable with medicines) Ksharasadya (Treatable with application of alkali), Agnisadva (Treatable with cautery), Shastra sadya¹⁸ (Treatable with surgery). So, the Arshas which can be treatable with Bheshaja (medicines), in such condition, PTG Ghrita can be used. Because of bleeding probably in all types of Arshas, Vata is predominant. 19 Whenever Agnibala (Digestive power/ metabolic) gets kshaya, Arshas gets aggravated, and when Agni gets increased, Arshas gets subsided¹⁹. For Agnisandeepana, Rakta sangrahana and Dosha pachanartha, Tikta rasa dravya should be given. When Vata is predominant and other doshas are in Ksheenavastha, and when there is bleeding, at that stage, it becomes Snehasadhya. Snehapana, Abhyanga and Anuvasana can be given.²⁰so in all type of Arshas, Agnideepaka, Ghritas or Lehya/Asavas, Vatanulomaka Dravyas are to be given. Also, Pathya (wholesome food) in all Arshas mentioned is Nimba and Patola vusha (Gruel) which are predominant in Tikta rasa. So, by above all considerations, PTG Ghrita can be employed in treatment of Arshas.

UTILITY OF PTG GHRITA IN GULMA

In all types of Gulma, initially Snehana (oleation) and Swedana (sudation) should be done²¹. Based on the site of Gulma, if Gulma is situated above the Nabhi, (Umbilicus) then Snehapana is given. If Gulma is at Pakvashaya, (Large intestine) Basti is given. If it is in Jathara, both Snehapana and Basti are given²². If Pittaja Gulma is due to intake of Ruksha and Ushna dravyas, then Ghrita prepared with Pittahara dravyas is best. If Pitta or Pittaja Gulma situated in Pakvashaya, then Tiktadravya Siddha Kshira Basti is indicated.²³in all stages of treatment i.e. in beginning, middle and at the end of treatment Vata Dosha should be protected. So, by all these consideration from the classics, PTG Ghrita can be used in case of Gulma.

UTILITY OF PTG GHRITA IN PAKVA GULMA

In Pakvagulma, it produces Sankleda in Srotas. Initially Doshas/Puya (pus) should be allowed to expel out on their own. After that Samshodhana Dravya Siddha Ghrita is given for pana (Drink). By this, Doshas get clear. Later in order to heal the wound, Tiktadravya Siddha Ghrita is given along with Madhu (Honey).²³ Here *Madhu* is having *Lekhana* (scraping) property; this will be fulfilled by Guggulu present in PTG Ghrita.

UTILITY OF PTG GHRITA IN PRAMEHA (DI-**ABETES**)

Prameha is Sankledajanya Tridoshaja Vyadhi, and its Dooshyas are Meda, Mamsa, Ambu, Shukra, Rakta, Vasa, Majja, Lasika, Rasa and Oja²⁴. For betterment in treatment, Prameha patients can be classified into two; 1). Sthoola-Balavan (Stout and Strength). 2). Krisha – Durbala (Lean and weak) patients.

For Sthoola-Balavan patients if Doshas are more, then Samshodhana should be done and for Krisha-Durbala persons Brihmana (Nourishing) treatment is adopted. So, for Sthoola–Balavan patient before Samshodhana, Snehana is done²⁵.

In case of Vataja Prameha, if Pitta Dosha is associated in such case Ghrita prepared with Pitta Doshahara Dravyas are used²⁵. Since Prameha is Sankledajanya Vyadhi, and looking into Dooshyas, PTG Ghrita will be effective, but clear indication should be assessed. So, by all these references PTG Ghrita is used in case of Sthoola and Balavan patient of VatajaPrameha associated with Pitta Dosha conditions, it may be used as Snehanadravya before Shodhana and also Shamana Dravva. In case of uncontrolled diabetes or in case of diabetic complications like diabetic foot/ ulcers, before giving Samshodhana chikitsa, Snehapanartha PTG Ghrita is taken.

UTILITY OF PTG GHRITA IN KASA(COUGH)

In Vataja Kasa if person is Rooksha, for him Snehana is to be done²⁶. In KshatajaKasa, if Stambha and tiredness is present, for them Ghritapana should be given in *Uttama matra* (Large quantity) and that *Ghri*ta should be Vataroga hara Ghrita so PTG ghrita is used in such condition²⁶.

PTG Ghrita can be used in Kasa as special methods of Ghrita sevana mentioned in Astanga Hridaya; In Pittadhikya, Ghrita should be ingested by Lehana (licking), it causes Pitta shamana and since it will be in small dose, it do not cause Agnimandya. In Vataadhikva, Ghrita is advised to be taken as Pana (Drink), it makes Vatashamana and Ushma shamaka²⁷.

DISCUSSION

Present article is reviewed to focus on classical utility of Panchatikta Guggulu Ghrita (PTG Ghrita) in various disorders which are mentioned in indications of PTG Ghrita. The main ingredients of this preparation are Pancha Tikta Dravays, Ghrita and Guggulu. PTG Ghrita is a polyherbal Ghrita preparation with many indications. It is indicated in almost all SrotogataVyadhis. In Pandu roga it is used as Snehadravva for Snehapana. It will be more beneficial when Majja Dhatu involved. It is indicated in Kushta vyadhi. In psoriasis, PTG Ghrita is being used for Shehapana before Shodhana. According to Smita Lokhande et al, Panchataikta Ghrita Guggulu given as Shamana Sneha for 90 days is effective in psoriasis.28 PTG Ghrita is used as Snehadravya in most of the Ksheera Basti, Asthapana Basti or Anuvasana basti in treatment modalities in most of Vatavaydhis (Neurological problems), in Vatarakta (Gouty arthritis) or in Sandhi gata Vata vikaras (osteo porosis/ osteo arthritis) conditions. PTG Ghrita is also used in some of the surgery specialty disorders like Arshas, Vidradi, Bhagandara and Nadivrana. In case of Nadivrana and Bhagandara diseases, Probably Lekhana Karma of PTG Ghrita is helpful and Shoshana Karma of PTG Ghrita helps in removing Sankleda. As it is indicated in Arbuda, since it is Mamsadusti Vikara and having Kapha-Meda predominance. The Kapha-Medohara and Lekhana property of PTG Ghrita is helpful. Though PTG Ghrita is indicated in diseases of almost all the Srotas, it should be used based on the condition of the Dosha-Dooshya vitiation and based on the principles of treatment mentioned in classics. So, in this review article, an insight is made into treatment aspects of the diseases mentioned in indications of PTG Ghrita and justification is made into use of it in indications based on the clinical experiences & as mentioned in our Ayurvedic Samhitas.

CONCLUSION

Panchatikta Guggulu Ghrita can be given as wide range of medicament. Based on the condition and based on status of the Doshas, PTG Ghrita can be used in many diseased conditions. When it is used properly, one can achieve good results. It can be used for, Samshodhanartha (Doshapratyanika), Samshamanartha (Vyadhipratyanika), Vrana ropanartha, Sneha dravya in Basti. It acts on many Srotas like Rasa, Rakta, Mamsa, Meda and mainly in Asthi and Majja srotas. PTG Ghrita is mainly indicated in dis-Vatavvadhi, Kapha-Medaja TridoshajaVyadhis. It has proven excellent in Prabala VataVyadhis and Asti-Majjagata Vata vikaras. This is one of unique combination of Dravyas having Tikta Rasa, Ghrita and Guggulu and it will have additive or Synergistic Pharmacological activities.

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