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Efficacy of *Gopyadi Ghrita Matra Basti* in *Parikarthika* vis-a-vis Fissure-in-ano: A Randomized Single Group Clinical Study

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ABSTRACT

The disease *Parikarthika* is presented with *KarthanavatPeedana* in *gudapradesha* as the main symptom. *Parikarthika* is not explained as an independent disease in *Ayurveda*. It is explained as a *Vyapath* of *Vamana-Virechana* and *Basti* by both *Charaka* and *SusrutaAcharyas*. *Parikarthika* can be correlated to Fissure-in-Ano, based on signs and symptoms.

Fissure -in-Ano is a condition characterised by excruciating pain, bleeding per rectum during and after defecation. The common cause is trauma due to passage of hard stools. Fissure-in-Ano is a medicosurgical condition. Medical treatment for Fissure includes Oral analgesics, anti-inflammatory drugs stool softeners, topical anesthetics, inj. Botulinum toxin and soothing agents, sitz bath and proper diet. Surgical management includes Lord's dilations, Sphincterotomy, Fissurectomy and Anal advancement flap surgery. All the conventional management has several drawbacks and side-effects. Commonly seen surgical complications are Infection and Abscess formation. Most of the contemporary treatment modalities are expensive and needs long stay in hospital.

In *AyurvedaAcharyas* have explained the use of *Madhura*, *Snigdha*, *SheetaDravyas* internally as well as locally in the form of *PicchaBasthi*, *MadhuraKashaya DravyaSiddhaBasti*, *Yashtimadhutailabasti*, etc. The current study tries to explain the efficacy of *GopyadiGhrita* administered as *MatraBasti*in *Parikartika* viv-a-vis Fissure-in-Ano.

Keywords: Parikarthika, Fissure-in-Ano, Gopyadi Gritha, Matra Basti.

INTRODUCTION

In the era of fast food, there is change or irregularity in diet and diet timings and also sedentary life style. In addition to change in diet and life style, one is always under mental stress. All these cause disturbances in the normal functioning of digestive system which results in many diseases amongst them (Ano-rectal Guda vikaras disorder) constitute an important group.

The disease *Parikarthika* is explained by *Acharya Sushruta*in 36th chapter of *Chikitsa Sthana*¹. The word *Parikarthika* comprises of two words, *Pari* (around) and *Karthika* (cutting pain).

Karthanavat Peeda is the main symptom of Parikarthika. Parikarthika is not explained as an independent disease in Ayurveda. Acharya Charaka and Vagbhata used two words, "Vikartika" as well as "Parikartika" for denoting the condition². Chakrapani also opines the same.

Acharaya Dalhana has described the term Parikartika as a condition of Guda in which there is cutting pain and tearing pain³. Similarly Jejjata and Todara have clearly described Parikartika as a condition which causes cutting pain in anorectum. It is explained as a Vyapath of Vamana & Virechana Bastiby both Charaka and Susruta Acharyas. According to Kashyapa

Samhita, Parikarthika is prevalent in Garbhinis⁴. He has described it in three type's viz. Vataja, Pittaja and Kaphaja. The terms like Parikartika and Guda vidara used at different instances can be considered as the disease Fissure in Ano based on signs and symptoms.

Fissure-in-ano is an elongated ulcer or crack in lower anal canal with, constipation, severe pain and streak of blood along with stool during defecation⁵. Based on clinical symptoms it is classified into two varieties; viz. acute fissure-in-ano and chronic fissure-in-ano. Comparatively pain is more in acute type of fissure⁶. The pain is so severe that patient develops fear for defecation and this further worsens the condition. Thus the life of the sufferer becomes miserable. Fissure-in-Ano comprises of 15% of Ano Rectal disorders. It is common in middle aged people, in women, commonly during Pregnancy and after delivery.

Fissure-in-ano occurs most commonly in midline posterior. In males, usually occur in midline posterior – 90%, and less common anteriorly – 10%. In females in midline posterior - 60% and anteriorly – 40%⁷.

The disease is also secondary to systemic conditions like ulcerative colitis, Crohn's disease, tuberculosis, etc. The disease also manifests as a delayed complication of surgical procedures like Haemorrhoidectomy and Fistulectomy, where too much of skin is removed. These factors along with improper food habits and changing life style have contributed a lot for alarming increase in the incidence of this disease.

This is a medico surgical condition. Medical management is often said to be conservative and surgical intervention is the ultimate choice in chronic ulcers. The treatment for acute fissure is most likely of conservative nature with oral painkillers, stool softeners, soothing ointments or injection of long acting anaesthetizing drug. Surgical procedures like Lords dilatation, Sphincterotomy, fissurectomy and excision of anal ulcer gives relief, but complications

like incontinence, stenosis and stricture formation are very common. Hence whether the Fissure in Ano has to be managed by medical treatment or surgical procedure is still debatable. In the past it is reported that after posterior Sphincterotomy about 40 percent cases complained of soiling of the under clothes. Many other surgeons have expressed similar opinion⁸.

An alarming rise in the incidence of the disease fissure-in-ano, complications of the surgical procedures and no known satisfactory remedies evolved in the management of fissure-in-Ano has provided scope for adopting principles of *Ayurvedic* management.

According to *Ayurvedic* literature, there are several methods of treatment i.e. *Bhaishaja*, *Kshara*, *Agni and Shastra Karma*⁹. Among them *Bhaishaja Karma* – medicinal treatment is the first line of treatment. Nowadays, various topical remedies are available for local application for wound healing in the market including for fissure-in-ano. In the present study, an effort was made to derive a standard and easily accessible treatment for fissure-in-ano from classical resources.

In this study Gopyadi Ghrita has been selected to evaluate its efficacy in Parikartika. Gopyadi Ghrita is mentioned in Sahasra Yoga in the context of Marma Sthanagata Vrana¹⁰. As Guda is one of the Marmas, Gopyadi Ghrita has been selected in the treatment of Parikartika. The ingredients of Gopyadi Ghrita are: Ghrita, Krishna Sariva, Utpala Kanda, Maduka, Chandana, Nalpamara (Vata, Ashwata, Plaksha, Udumbara, Shrunga) & Usheera, Durva, Dugda. All the ingredients are having Madura, Kashaya, Tikta Rasa, Snigda Guna and Sheeta Veerya, so it acts as Vrana Shodhaka, Ropaka and Stambaka activities.

Objectives of Study: The main objectives of the study are-

- 1. To evaluate the effect of *GopyadiGhrita* in *Parikathika* vis-a-vis Fissure-in- Ano.
- 2. To study the disease *Parikarthika* in terms of its etiopathogenesis, clinical

manifestation with possible co-relation to the description available in Ayurveda and Modern literature on Fissure-in-Ano.

MATERIALS AND METHOD

Sample source: Patients from OPD and IPD Department of *Shalyatantra*, Ashwini Ayurvedic Medical College, Hospital and Research Centre, Tumkur, will be selected randomly for the study.

Method of collection of data: 30 Patients of *Parikarthika*, having inclusive criteria will be treated with *GopyadiGhrita*. Irrespective of sex, occupation and socioeconomical status, after proper investigation from OPD/IPD of Ashwini Ayurvedic Medical College, Hospital and Research center, Tumkur. After careful scrutiny the patients will be registered under the present study.

Inclusion Criteria:

- a. History of Fissure-in-Ano less than one year.
- b. Patients between the age group of 15 to 60 yrs.
- c. Patients of both sex having clinical features of *Parikarthika*.
- d. Diabetics with Controlled blood sugar level (RBS) <180mg/dl.

Exclusion Criteria:

- a. History of Fissure-in-Ano more than one year.
- b. Patients having age below 15 year and above 60 yr.
- c. *Parikarthika* associated with Piles, Fistula and other Ano-rectal disorder.
- d. Uncontrolled diabetes mellitus of RBS >180mg/dl.
- e. Patients having other systemic pathology (TB, HIV/AIDS, HBsAG, VDRL REACTIVE).
- f. Pregnancy.

Diagnostic Criteria: The diagnosis will be confirmed by the signs and symptoms and Examination of the anal region.

Investigations:

- 1. Hb%, TC, DC, ESR, RBS, Urine Routine.
- 2. HIV, HBsAG.

Ingredients of Gopyadi Ghrita:

- 1. Nannari [Krishna sariva]
- 2. Nirkilangu [Utpala kanda]
- 3. Madhuka
- 4. Malayanju [Chandana]
- 5. Kukstha
- 6. Nalpamaranam Muttum [Vata, Ashwatha, Palaksha, Udumbara sringa]
- 7. Ramaccha [Usira]
- 8. Sneha Dravya:Go- Grita
- 9. Drava Dravya: Durva Swarasa and Go-Ksheera as told in Sahasra Yoga.

All necessary ingredients are collected and were verified by *Dravya Guna* department. *Gopyadi Ghrita* was prepared as per standards in *Bhaishajya kalpana* department of Ashwini Ayurvedic College Pharmacy.

Intervention:

Sample size : 30 Patients
 Drug : GopyadiGrita
 Procedure of administration : MatraBasti - 50 ml is administered.

Materials required:

- Sterile gloves
- Sterile gauges-Q.S
- GopyadiGhrita
- Vessel
- Stove
- Lukewarm water-Q.S
- Sterile kidney tray
- Disposable rubber catheter
- Glass rod
- Measuring Scale
- 50ml disposable syringe

Purva Karma:

- Required materials were kept ready.
- Procedure was explained to the patient and consent was taken.
- Patients are made to lie in left lateral position after passing natural urges.

PradhanaKarma:

- 50 ml of *GopyadiGrita* loaded into the disposable syringe.
- Fixed the rubber tube into the syringe and lubricated the tip of the tube and anal region.
- Administration of GopyadiGritha into the ano-rectal cavity after insertion of the rubber tube, then removed.

Paschath Karma:

- The buttocks of the patient are gently tapped with palms.
- Patient given supine position, then massage over the abdomen in anti-clock wise direction.
- Plain hot water sitz bath is advised twice daily for 8 days.
- Swadistha Virechana Churna ½ 1 tsf with hot water. A/F at bed time for 15 days.

Assessment Criteria: Assessment will be made on the basis of subjective and objective parameters both before and after treatment.

Subjective Parameters:

- A. SHULA [PAIN] (Assessed using Visual Analogue Scale)
- 0 -No pain
- 1 -Mild pain
- 2 Moderate pain
- 3 Severe pain
- B. DAHA [BURNING SENSATION]
- 0 Absent
- 1 Present
- C. RAKTHA SRAVA [BLEEDING PER ANUM]
- 0 Absent
- 1 Present
- D. KATINA MALA PRAVRITTI [HARD STOOLS]
- 0 Absent
- 1 Present

Objective Parameters:

A. SPHINCTER TONE

0-Normal

1-Spastic

B. LENGTH OF THE ULCER

0 - Healed ulcer

- 1 1 to 5 mm
- 2 6 to 10 mm
- 3 > 10 mm

Duration and Follow up:

- Duration of treatment will be 8 days.
- Assessment of the treatment will be done on 1st, 8th, 15th& 21st day of treatment.
- Sitz Bath and Swadishta Virechana Churna will be continued if required.

Over All Assessment:

- Poor response <25% reduction in overall parameters.
- Moderate response 26-50% reduction in overall parameters.
- Good response 51-75% reduction in overall parameters.
- Excellent response 76-100% reduction in overall parameters.

RESULT

Statistical Analysis:

The collected data was entered in excel sheet and then it was entered in SPSS Version 16.0.0 for statistical analysis.

For the assessment of results during the treatment period, Subjective (Shoola, Daha, Raktasrava, Katina Mala Pravritti) and Objective (Sphinctor tone, Length of the Ulcer) parameters were considered.

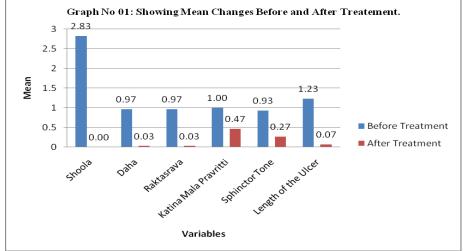
Descriptive statistics before and after treatment is shown in Table no 01 and 02 respectively.

Table No 01: Descriptive Statistics- Before Treatment					
Subjective Criteria	Mean	Standard	Standard Error		
		Deviation			
Shoola	2.83	± 0.379	± 0.069		
Daha	0.97	± 0.183	± 0.033		
Raktasrava	0.97	± 0.183	± 0.033		
Katina Mala Pravritti	1.00	± 0.000	± 0.000		
Sphinctor Tone	0.93	± 0.254	± 0.046		
Length of the Ulcer	1.23	± 0.430	± 0.079		

Table No 02: Descriptive Statistics- After Treatment					
Subjective Criteria	Mean	Standard Deviation	Standard Error		
Shoola	0.00	± 0.000	± 0.000		
Daha	0.03	± 0.183	± 0.033		
Raktasrava	0.03	± 0.183	± 0.033		
Katina Mala Pravritti	0.47	± 0.507	± 0.093		
Sphinctor Tone	0.27	± 0.450	± 0.082		
Length of the Ulcer	0.07	± 0.254	± 0.046		

 $Srinivasa\ G\ P\ et.al.\ Efficacy\ of\ gopyadi\ ghrita\ matra\ basti\ in\ parikarthika\ vis-a-vis\ fissure-in-ano:\ a\ randomized\ single\ group\ clinical\ study$



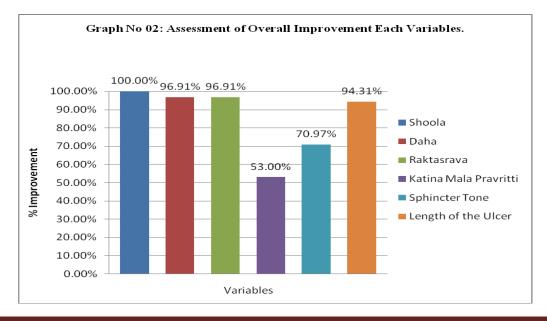


Since it is a single group pre and post design study. To compare Pre and Post readings of the data in the group Paired Sample t test was used and its interpretations are shown in Table no 03.

Table No 03: Comparison of Variables within the Group Pre and Post Treatment.					
Variables	Mean	Standard Deviation	Standard Error	t Value	sig. (2 tailed)
Shoola	2.833	± 0.379	± 0.069	40.941	0.00 (p<0.05)
Daha	0.933	± 0.254	± 0.046	20.149	0.00 (p<0.05)
Raktasrava	0.933	± 0.254	± 0.046	20.149	0.00 (p<0.05)
Katina Mala Pravritti	0.533	± 0.507	± 0.093	5.757	0.00 (p<0.05)
Sphinctor Tone	0.667	± 0.479	± 0.088	7.616	0.00 (p<0.05)
Length of the Ulcer	1.167	± 0.379	± 0.069	16.858	0.00 (p < 0.05)

Overall Assessment of the study is shown in Table No 04 and Graph no 02.

Table No 04: Overall assessment					
Pre Mean	Post Mean	Mean % Change			
2.83	0.00	100.00%			
0.97	0.03	96.91%			
0.97	0.03	96.91%			
1.00	0.47	53.00%			
0.93	0.27	70.97%			
1.23	0.07	94.31%			
1.32	0.145	85.35%			
	Pre Mean 2.83 0.97 0.97 1.00 0.93 1.23	Pre Mean Post Mean 2.83 0.00 0.97 0.03 0.97 0.03 1.00 0.47 0.93 0.27 1.23 0.07			



DISCUSSION

Parikartika is the disease characterized by cutting type of pain in the anal region. It literally means circumferentially or to cut all around. is explained Parikarthika in various Ayurvedic literatures, it has been described as a complication of Virechana, Basti and also VamanaKarma. But the fact that the occurrence of Parikartika as a sequel of Atisara, Jvara, Garbha etc. was also explained. Scattered explanation of Parikarthika is available in all Brihatrayis and Laghutrayis. Kashyapa has explained 3 types of *Parikarthika* occurring in *Garbhini*.

A properly classified documentation of Nidana, Samprapti, and Rupa etc. of Parikartika is not available at any single place in Samhitas. Even then many Nidana that may produce Parikartika are described by Acharyas which are scattered in the texts. The *nidanas* can be compiled under the headings of Nijanidanas, Nidanarthakaranidanas Agantujanidanas. In common tikta, katu, ruksha, teekshna, ushnaahara, excessive travelling, long standing & sitting and Vibanda (Hard Stools) are seen in causation of Parikarthika. Mainly Vata and Pitta doshavitiation is said to be involved in the Samprapti of Parikarthika.

Kartnavatvedana, daha in guda, raktasrava, adhmana, katina mala pravritti are the symptoms seen common Parikarthika.Charaka and Vagbhata opine a symptom in Parikarthika is VatajaAtisara due to trauma by hard stools 11. Acharya Kashyapa has explained 3 types of *Parikarthika* in relation to *Garbhini* as Vataja, Pittaja and Kaphaja. The description of doshic involvement in the development or treatment of *Parikarthika* is the speciality of KashyapaSamhita that needs separate consideration since pain is the predominant character of this ailment.

The samprapti of Parikarthika involves Vata and Pitta prakopa, rakta and mamsadusti, malabdhata and kshata in gudapradesha¹². Hence the treatment has to be aimed at Vata and Pitta shamana,

Rakta&Mamsaprasadana, Vatanulomana and Vranaropana. The disease clinically presents with Vedana, Malabaddhata and raktasrava. So Deepana-Pachana, Vedana Mala Shamana, Nissaraka RaktaSthambana drugs are to be used. Charaka and Sushrutha have explained in Pichhabasti, AnuvasanaBasti the treatment of ${\it Basti Upadrava janya Parikarthika} ^{13,14}. Local l$ y for Vrana Ropana the principle of Vrana Chikitsa has to be adopted. Ropana of Vrana is achieved by application of tailas Jatvaditaila. Kaseesaditaila. Doorvaditailaetc. The majority of the cases who suffered from Parikarthika did also suffer from chronic constipation. And that may be the reason that Acharvas have advised Bastikarma in the treatment aspect of Parikarthika.

The Anal fissure or fissure-in-ano has been described as an acute superficial break in the continuity of the anoderm (anal skin) usually in the posterior midline of the anal margin. An anal fissure is a site of chronic ulceration of the skin of the anal canal, often with haemorrhoids or hypertrophied anal papilla at its upper end. More commonly occurs in the Posterior midline of the Anal canal.

In this work an effort has been made to study the efficacy of *Gopyadi Gritha* administered as *Matra Basti* by observing and comparing the effects before and after the treatment. All the 30 cases selected for clinical study approached for the treatment for pain, burning, bleeding from anus and constipation hence the study was mainly aimed at giving symptomatic relief and healing of the *Parikarthika Vrana*. The signs and symptoms like *Shoola*, *Daha*, *Rakthasrava*, *Katinamalapravritti*, Sphinctor tone, and Length of the ulcer were observed and evaluated before and after the treatment.

Gopyadi Gritha is explained in Sahasrayoga, ParisisthaPrakaranaTaila in the context of MarmasthanagataVrana. The ingredients of GopyadiGhrita are: Ghrita, Krishna Sariva, Utpala Kanda, Maduka,

Chandana, Nalpamara (Vata, Ashwata, Plaksha, Udumbara Shrunga), Usheera, Durva, and Dugda.

Discussion on Lakshanas:

- **Shoola:** Among 30 Patients, 5(16.7%) had moderate pain, and 25(83.3%) had severe pain. As this a Shoolapradanavyadithese types of pains are observed. Secondly the pain is due to vrana which is present in the very sensitive part.
- **Daha:** Among 30 Patients, 29(96.7%) had Daha and 1(3.3%) did not had daha as complaint. Daha is due to the Pitta Pre-dominancy and Vrana.
- RakthaSrava: Among 30 Patients, 29(96.7%) had Rakthasrava and 1(3.3%) did not had rakthasrava as complaint.100%). Due to Vibandha the Kathina mala causes laceration in the ulcer. From these lacerated wounds bleeding occurs. When laceration is superficial streak wise bleeding was seen. In deep laceration drop wise or syringing type of bleeding is observed.
- KatinamalaPravritti: Among Patients, all of them reported with katinamalapravritti as complaint. Vibandha Mandagni, is due to AvaraAbhyvaharana and Jarana Shakti and Ama formation. The hard stool causes trauma to the anal mucosa resulting into pain. Trauma of hard stool will in turn provoke vatadosha. The Pain is so agonizing that the patient dreads his visits to the toilet and tends to avoid passing stool, as a result in some cases remains constipated for several days. This further aggravates the symptoms when he eventually has to pass stool.
- Sphincter Tone: Among 30 Patients, 28(93.3%) had Spastic Sphinctertone and 2(6.7%) had Normal tone. Spasm in the anal sphincter (Valve of the anal canal) and sphincter mechanism (regular contraction & relaxation) contribute in the development of fissure and also in preventing the healing process.

• Length of the Ulcer: Among 30 Patients, 23(76.7%) had ulcer of size 1-5mm, and 7(23.3%) had ulcer sized 6 to 10 mm. The incidence of medium sized ulcers is more.

Discussion on Results: Comparison of Variables within the Group – Pre and Post Treatment: (Shown in Table No 03)

- significant difference before and after treatment. There was 100.00% improvement in the Mean change after treatment with a t value of 40.941, p value < 0.05 (p0.00) and Mean 2.833± 0.379. Thus we can say there was excellent response of treatment in *Shoola*.
- **Daha:** there was statistically significant difference before and after treatment. There was 96.91% improvement in the Mean change after treatment with a t value of 20.149, p value < 0.05 (p0.00) and Mean 0.933± 0.254. Thus we can say there was excellent response of treatment in *Daha*.
- Rakthasrava: there was statistically significant difference before and after treatment. There was 96.91% improvement in the Mean change after treatment with a t value of 20.149, p value < 0.05 (p0.00) and Mean 0.933± 0.254. Thus we can say there was excellent response of treatment in *Rakthasrava*.
- **KatinamalaPravritti:** there was statistically significant difference before and after treatment. There was 53.00% improvement in the Mean change after treatment with a t value of 5.757, p value < 0.05 (p0.00) and Mean 0.533± 0.507. Thus we can say there was moderate response of treatment in *KatinamalaPravritti*.
- **Sphinctor Tone:** there was statistically significant difference before and after treatment. There was 70.97% improvement in the Mean change after treatment with a t value of 7.616, p value < 0.05 (p0.00) and Mean 0.667± 0.479. Thus we can say there was good

response of treatment in Sphinctor Tone.

• Length of the Ulcer: there was statistically significant difference before and after treatment. There was 94.31% improvement in the Mean change after treatment with a t value of 16.858, p value < 0.05 (p0.00) and Mean 1.167± 0.379. Thus we can say there was excellent response of treatment in Length of the ulcer.

Overall within the group there was significant difference between before and after treatment in all the Subjective and Objective variables as per the results of Paired Sample t Test results as described above. Overall average there is 85.35% improvement after the treatment which shows excellent response to the trail treatment.

Probable Mode of Action: The healing of fissure is different from the healing of any other ulcer because in the former there is constant contamination of the wound by faeces and its frequent friction with the mucosa while there is continuous spasm of the sphincteric muscle. They are the important factors which keep a fissure away from normal healing. At the cell surface, lipid soluble drugs penetrate into cell more rapidly than water soluble drugs and enter the circulation quickly.

Gritha is one among the 60 Upakramas told by AcharyaSushruta for Vranashodhana and ropana. Go-Gritha is used as a snehadravya for the preparation of GopyadiGritha.GopyadiGrithais told as the chikitsa for MarmasthanagataVranaby Sahasrayoga.

The formulations were administered as *Matrabasti* which might have done the lubrication of the anal canal and softened the hard stools as it is a kind of retentionenema.

The patient of *Parikathika* will have *Shoola*, *daha*, *raktasrava*, *katinamalapravriti* & *gudavidara*. Here the modes of action of the ingridients are discussed. The ingredients of *Gopyadi Ghrita* are: *Ghrita*, *Krishna Sariva*, *Utpala*

Kanda, Maduka, Chandana, Nalpamara (Vata, Ashwata, Plaksha, Udumbara, Shrunga) & Usheera, Durva, Dugda.

Most of the drugs like Sariva, Utpala, maduka, nalpamaraare having the property of Madhura-Kashaya rasa, Sheeta Veerya, Snighda. It possesses vatashamaka, pittashamaka, raktastambaka, vranashodhana and vranaropanaproperties. These properties might have helped in relieving burning sensation and pain.

The *sthambhakaguna* of these drugs along with *sheetaveerya* might have helped in controlling the bleeding quickly. Its *Pittahara and Shotahara* action might have reduced pruritisani.Recent researchers have shown that most the drugs that are used here have Ani-inflammatory, Anti-microbial, and analgesic properties.

Shwetha Candana used as kalkadravya is well-known for it's properties¹⁵. Pittahara and ropana DoorvaSwarasa is known for its pittahara, vranaropana and rakthasthambaka property which might have helped in healing the ulcer and stop bleeding thus reducing the pain¹⁶.

Ksheera is having vatapittahara, jeevaniya, rakthapittahara and mrudhurechaka properties which might have helped in relieving burning sensatation, constipation, pain. Madhura rasa, snigdhaguna and dhathuvardhaka properties of milk might have helped in healing the fissure quickly.

Gritha is having Madhura rasa, sheetaveerya, vata-pittahara, ropana and vishahara properties¹⁷. Mainly Gritha is said to be Yogavahi (Catalyst). It accelerates the healing process. Because of these qualities it might have helped in local sootheneing and healing of the ulcer.

Ushna Jala Avagahasweda:In Abhyanga, Parisheka, lepa and Avagahasweda the Veerya of the dravya enters the body through the romakupas present in the twacha. In this study plain water is used for AvagahaSweda. Sitz bath helps to relieve the congestion and oedema by aiding venous return from the perineal

area. It help in reducing the spasm by relaxing the anal sphincters, there by promotes pain relief. Also sitz bath helps in keeping the affected area clean, which inturn helps in healing of the fissure.

Swadista Virechana Choorna: This formulation is explained in Rasatantrasara, mainly indicated in Arshas, Vibanda and Ama. Malabaddhata is a condition established due to impairment of samana and Apanavata there by vitiating Jataragni. SwadistavirechanaChoorna is a key drug with a property to bring the vitiated Agni to normalcy by checking the vatagati. It also helps in relieving the katinamalapravrutti & vibandha.

On the basis of discussion done and result of this study *GopyadiGritha* can be recommended for *Matra Basti* specially when performed for the management of *Parikarthika*.

CONCLUSION

Parikarithika is a disease with Kartanavat Vedana in Guda Pradesha, which is similar to the site of fissure-in-ano. Vata and Pitta Dosha have dominancy in development of the disease Parikarthika, but Vata is predominant. Sedentary life style, improper diet habits and stressful life, in the modern era, is having a key role in occurrence of the disease Parikarthika (fissure-inano). Fissure-in-ano was present commonly at 6 o'clock position and most of the time it is a single fissure only. However the fissure at 12 o'clock or at other site may also be found either alone or in combination. Excessive consumption of Lavana, Katu, Tikta, Ruksha, Ushna Ahara and irregular diet and diet timings are the main precipitating factors of this condition. For the management Gopyadi gritha was administered as Matra Basti for a period of 8 days. The most evident symptom like pain, burning sensation, bleeding and spasm of anal sphincter etc shown effective results after the treatment and follow-up. There was 100.00% improvement in shoola, 96.91% improvement in daha, 96.91%

raktasrava, 53.00% improvement Katinamalapravritti, 70.97% improvement in sphincter tone, and 94.31% improvement in length of the ulcer. Overall average there 85.35% improvement after treatment which shows excellent response to the trail treatment. Hence GopyadiGritha can be recommended for Matra Basti specially when performed the in management of Parikarthika.

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Srinivasa G P et.al. Efficacy of gopyadi ghrita matra basti in parikarthika vis-a-vis fissure-in-ano: a randomized single group clinical study

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