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A RANDOMIZED SINGLE BLIND CLINICAL STUDY IN THE MANAGEMENT OF PEPTIC ULCER DISEASE BY POLY HERBOMINERAL COMBINATION Dr. Srinivas K Bannigol¹, Dr. Mahesh D Desai²

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Abstract

Disorders related to the digestive system are on the rise due to the faulty diet and habits. One such condition is Peptic ulcer. Peptic ulcer is an worldwide problem and its prevalence in India particularly south India is quite high, Recent studies suggests approximately 10% of adults at some times of their lives get affected by peptic ulcer. The cardinal feature of Peptic Ulcer Disease is pain during digestion of food which torments the person at every meal time and is a source of constant discomfort. Peptic ulcer can be correlated to Parinama Shoola. Parinama Shoola is also a disease of Annavaha srotas. Parinama Shoola that is Tridosaja is Asadhya. Parinama Shoola associated with Upadrava is Asadhya. The present study is undertaken to assess the efficacy of Leela Vilas Ras and Yashtimadhu gritha in Peptic ulcer disease. The combination of Leela Vilas Ras and Yashtimadhu Gritha is the ideal line of treatment in Peptic ulcer disease.

Key words: Parinama Shoola, Pitta, Peptic Ulcers, Peptic Ulcer Disease, Leela Vilas Ras, Yashtimadhu Gritha

Introduction

Ayurveda advocates the principle that Prevention is better than cure. Many theories have been explained to maintain health. The chief amongst them is Traya Upasthambha (Three pillars of life) i.e. Ahara, Nidra and Brahmacharya¹. These three are

responsible for healthy and longevity of life. Amongst these three prime importance has been given to Ahara. Various rules are mentioned under the heading Ahara vidhi. Strict adherent to these rules of Ahara keeps the body away not only from metabolic diseases but also from other diseases. So the

principles of Aharavidhi mentioned in Ayurveda are relevant in present era.

The present era is an era of new inventions and the Modern Medical science has struck the minds of all by its day to day developments. It is true that the Modern Medical science has progressed considerably; still it has to face a big challenge in so far as some miserable problems are concerned.

Disorders related to the digestive system are on the rise due to the faulty diet and habits. One such condition is Peptic ulcer. It is also known as *ulcus pepticum*. Peptic ulcer disease is an ulcer (mucosal erosions) of an area of the gastrointestinal tract that is usually acidic and thus extremely painful. Though lot of work has been done on the etiology of this condition, one specific etiological agent cannot be incriminated in the causation of this particular disease especially in our country. However, the available information supports the central role of H.pylori and a necessary role of acid and pepsin. As much as 80% of ulcers are associated with Helicobacter pylori, a spiral-shaped bacterium that lives in the acidic

environment of the stomach. Ulcers can also be caused or worsened by drugs such as aspirin, other NSAIDs and glucocorticoids. Since Stress forms the most important single feature in causing peptic ulcer and today's modern life is full of stress and strain, hence this condition is on the increase. Peptic ulcer is an worldwide problem and its prevalence in India particularly south India is quite high, Recent studies suggests approximately 10% of adults at some times of their lives get affected by peptic ulcer².

Modes of treatment for this disease have been changing time to time. The disease is recognized as medico-surgical entity. Earlier Surgery was the ultimate treatment in this disease. The results after surgery were also not completely satisfactory, as early and delayed complications were associated along with recurrence. Off late surgery in this condition has been avoided except in managing complications of this condition. consequence many new drugs have come up in modern era with promising ulcer healing effect. But none of these are labeled as ideal since their failure to give permanent cure besides some other side effects. Triple therapy is currently regarded as the reference of anti-*Helicobacter pylori* treatment³. However, antibiotic-associated gastrointestinal side effects like Bloating, diarrhea and taste disturbances are among the major pitfalls of such regimens⁴. Moreover antibiotic resistant strains of H.pylori are on rise worldwide. The ideal treatment is the one that cures the original disease and also does not lead to another. The quest for such a medicine is always a challenge for all Medical the sciences including Ayurveda.

Shula is the presenting and the most troublesome symptom in all the disease of Annavaha srotas. Hence in the field of Gastoenterology Diagnosis and Management of Shoola plays a vital role. Parinama Shoola is a disease of Annavaha srotas. This condition has not been mentioned in any of the But the diseases Brhatrayis. Gulma, Shoola and Grahani may be taken as a guideline to understand this disease. Later Acharyas of Laghutrayis have explained Parinama Shoola as a separate entity. Pratyatma lakshana of this disease is pain during digestion of food which torments the person after every meal time and is a source of constant discomfort. Yogaratnakara have mentioned Parinama Shoola as Durvijneyam and Mahagada i.e. difficult to identify and cure due to the serious nature of this disease.

The disease Parinama Shoola can be compared to peptic ulcer as explained in modern medical science. the Considering gravity of the condition, increasing incidence of the disease and non-availability of ideal treatment the present study is under taken. In the present study two formulations namely Leela Vilas Ras⁵ and Yashtimadhu Gritha⁶ are taken to find their efficacy in Parinama Shoola (Peptic ulcer) and an attempt also has been made to compare the efficacy of these formulations.

The patients suffering from Parinama Shoola (Peptic ulcer) who fulfills the criteria of selection of the present study were selected. The patients were subjected for detail clinical examination and investigations as per the specially designed proforma. The present clinical study comprises of 120 patients. They were divided into three groups as Group-A,

Group-B and Group C each having 40 patients. All the Group patients were advised to undergo upper GI endoscopy before and after treatment.

Materials & Methods

Source of Data:

 Patients attending the OPD and IPD of Ayurveda Mahavidyalaya Hospital, Hubli.

Method of Collection of Data:

- Patients attending the Shalya Tantra
 OPD and IPD of Ayurveda
 Mahavidyalaya, Hubli, diagnosed as
 Parinama shoola (peptic ulcer) and fulfilling the inclusion criteria were selected.
- Patients were registered and recorded as per the specially designed clinical proforma.
- from Post Graduate Library,
 Department of Shalya Tantra,
 Ayurveda Mahavidyalaya, Hubli, and
 from Authentic Research Journals,
 Websites, and Digital Publications etc.
 The important books and journals
 required for the study will be procured
 from reputed international sellers.
- Required Medicines were prepared in the Department of Rasa Shastra and

- Bhaisajya Kalpana, Ayurveda Mahavidyalaya Hubli.
- The raw materials and the medicines prepared were subjected to Chemical analysis study.

Inclusion Criteria:

- Patients with clinical features of Parinama shoola (Peptic ulcer).
- Presence of ulcer/erosions diagnosed by upper gastrointestinal endoscopy were selected.
- Patients of both sexes between 20 to
 60 years age were included in the study.

Exclusion Criteria:

- Patients with features of malignant ulcer were excluded.
- Patients with acute features and with complication were excluded.
- Patients associated with uncontrolled systemic diseases were excluded.

1. Leela Vilas Rasa:

2. Yashti Madhu Ghrita:

Parameters of Study:

Following subjective and objective parameters were considered for the study.

Subjective:

- 1. Pain
- 2. Nausea
- 3. Vomiting

4. Haematemesis

Objective:

1. Malaena.

Presence of ulcers/erosions assessed by Upper gastrointestinal Endoscopic

study.

Study Design:

Present study is a Randomized single blind comparative clinical study.

Sample Size:

inimum of 120 patients were selected randomly and categorized into three Groups as Group A, Group B and Group C.

Group A:

Sample size:

Minimum of 40 patients

Procedure: Internally

Drug : Leela Vilas Ras

Dose : 125mg twice daily in

empty stomach

Anupana : Amalaki Choorna

Duration: 3 months.

Follow Up : 1 month

Group B

Sample size: Minimum of 40

patients

Procedure: Internally

Drug : Yastimadhu Gritha

Dosage: 20ml. Twice daily

in empty stomach

Anupana : Sukoshna Jala

Duration: 3 months.

Follow Up: 1 month

Group C:

Sample size: Minimum of 40 patients

Procedure: Internally

Drug : Leela Vilas Ras and

Yashtimadhu Grita

Dosage :125mg + 20ml twice

daily in empty stomach

Anupana : Sukoshna Jala

Duration: 3 months.

Follow Up : 1 month

Observations & Results:

The subjects who were registered for the study were assessed according to a standard proforma. The details recorded are being put forth here. Totally 40 subjects completed the study in each group. The details are as follows:

Maximum patients belonged to the age group of 41 to 50 years with 38,33%.

Maximum patients were males with 66.66%.

Maximum patients were married with

89.16%

Maximum patients had primary

education with 22.50%

- Maximum patients belonged to Hindu religion with 89.16%
- Maximum patients belonged to middle income group with 57.50%
- Maximum patients had active occupation with 41.66%
- Maximum patients had mixed diet with 60.83%

- Maximum patients had No habits with 49.16%
- Maximum patients had good quality of sleep with 50%
- Maximum patients belong to O+ blood group with 37.50%
- Maximum patients had Vata Pitta prakruti with 28.33%

RESULTS

Effect of therapy on different parameters such as Udara Shoola(Epigastric Pain), Hrllasa(Nausea), Vami(Vomitting), Hrit Daha(Heart Burn), Melena were examined and recorded before and after the treatment and subjected to statistical analysis as follows:

Summary Of Statistics With Regards To Pain In Peptic Ulcer Disease in all

inree Groups:									
ANNOVA: Single Factor									
Parameters	Grou	рΑ	Gro	Group B		Group C			
Count	40		4	0	4	0			
Sum	39		5	1	7	1			
Mean	0.97	75	1.2	275	1.7	775			
SD	0.589		0.5	512	0.4	186			
					/ 6				
	Sum of	Df	Mean	F Value	P Value	F			
	Squares		Square			Critical			
Between	13.06667	2	6.533333	12.34396	0.000014	3.073763			
Groups	TO X			FF X X	T 16				
Within	61.925	117	0.529274						
the									
Groups									
Total	74.99167	119							

The f value of all three groups is 12.34 which is higher than the f critical value of 3.07 which is statistically significant (p = 0.000014) with regards to pain treated in all the groups. There is a difference in all groups in reduction of pain.

TABLE SHOWING THE COMPARISON BETWEEN THE GROUPS USING POST HOC TESTS WITH BONFERRONI CORRECTION

Parameters	Group A v/s Group B			Group B v/s Group C		Group C v/s Group A	
Mean	0.975	1.275	1.275	1.775	1.775	0.975	
SD	0.589103	0.512179	0.512179	0.486538	0.486538	0.589103	
Pooled Variance	0.55	0641	0.499359		0.537821		
P Value	0.07	4459	0.002217		0.000006		
Remarks	FALSE		TRUE		TRUE		
1 1	Insign	ificant	Signi	ficant	Significant		

The comparison between Group A and Group B is statistically insignificant which signifies that Group A and Group B are equally effective in reduction of Pain. The comparison between Group B and Group C is statistically Significant which signifies that Group B is effective in reduction of Pain when compared to Group C. The comparison between Group C and Group A is statistically Significant which signifies that Group B is effective in reduction of Pain when compared to Group A.

SUMMARY OF STATISTICS WITH REGARDS TO NAUSEA IN PEPTIC ULCER DISEASE IN ALL
THREE GROUPS

ANNOVA: Single Factor									
Parameters	Grou	рΑ	Gro	Group B		Group C			
Count	40		4	0	4	0			
Sum	42		5	5	6	1			
Mean	1.0	5	1.3	375	1.5	25			
SD	0.30)5	0.2	291	0.2	255			
ANOVA ANOVA									
	Sum of Squares	Df	Mean Square	F Value	P Value	F Critical			
Between Groups	4.716667	2	2.358333	8.298496	0.000426	3.073763			
Within the Groups	33.25	117	0.284188						
Total	37.96667	119							

The f value of all three groups is 8.29 which is higher than the f critical value of 3.07 which is statistically significant (p = 0.000426) with regards to Nausea treated in all the groups. There is a difference in all groups in reduction of Nausea.

TABLE SHOWING THE COMPARISON BETWEEN THE GROUPS USING POST HOC TESTS WITH BONFERRONI CORRECTION

Parameters	Group A v/s Group B		Group Grou	=	Group C v/s Group A		
Mean	1.05	1.375	1.375	1.525	1.525	1.05	
SD	0.305	0.291	0.291	0.255	0.255	0.305	
Pooled Variance	0.298		0.273		0.280		
P Value	0.0	094	0.203		0.00013		
Remarks	TRUE		FALSE		TRUE		
	Signi	ficant	Insign	Insignificant		Significant	

The comparison between Group A and Group B is statistically Significant which signifies that Group A is more effective in reduction of Nausea than Group B. The comparison between Group B and Group C is statistically Insignificant which signifies that Group B and Group C are equally effective in reduction of Nausea. The comparison between Group C and Group A is statistically Significant which signifies that Group C is effective in reduction of Nausea when compared to Group A.

SUMMARY OF STATISTICS WITH REGARDS TO VOMITING IN PEPTIC ULCER DISEASE IN ALL
THREE GROUPS

		11111	/107 / /107-0						
ANNOVA: Single Factor									
Parameters	Grou	Group A		Group B		Group C			
Count	40		4	0	4	0			
Sum	15	•	1	5	1	5			
Mean	0.37	0.375		375	0.3	75			
SD	0.24	10	0.2	240	0.2	40			
ANOVA									
	Sum of Squares	Df	Mean Square	F Value	P Value	F Critical			
Between Groups	0	2	0	0	1.00	3.073763			
Within the	28.125	117	0.240385						
Groups Total	28.125	117	0.240303						

The f value of all three groups is 0 which is lower than the f critical value of 3.07 which is statistically Insignificant (p = 1.00) with regards to Vomiting treated in all the groups. There is no difference in all groups in reduction of Vomiting.

TABLE SHOWING THE COMPARISON BETWEEN THE GROUPS USING POST HOC TESTS WITH BONFERRONI CORRECTION

Parameters	Group A v/s Group B		Group B v/s Group C		Group C v/s Group A	
Mean	0.375	0.375	0.375	0.375	0.375	0.375
SD	0.240	0.240	0.240	0.240	0.240	0.240
Pooled Variance	0.2	240	0.240		0.240	
P Value		1	1		1	
Remarks	FALSE		FALSE		FALSE	
1/ 1/4/1/	Insign	ificant	Insign	ificant	Insignificant	

The comparison between Group A and Group B is statistically Insignificant which signifies that Group A and Group B are equally effective in reduction of Vomiting. The comparison between Group B and Group C is statistically insignificant which signifies that Group B and Group C are equally effective in reduction of Vomiting. The comparison between Group Cand Group A is statistically insignificant which signifies that Group C and Group A are equally effective in reduction of Vomiting.

SUMMARY OF STATISTICS WITH REGARDS TO HAEMETEMESIS IN PEPTIC ULCER DISEASE IN ALL THREE GROUPS:

ANNOVA: Single Factor									
Parameters	Grou	рΑ	Gro	ир В	Group C				
Count	40		4	0	4	0			
Sum	2		3	3	4	1			
Mean	0.0	5	0.0)75	0.	.1			
SD	0.04	18	0.0)71	0.0	92			
ANOVA									
	Sum of Squares	Df	Mean Square	F Value	P Value	F Critical			
Between Groups	0.05	2	0.025	0.353474	0.702991	3.073763			
Within the	8.275	117	0.070726			_			
Groups Total	8.325	117	0.070720						

The f value of all three groups is 0.353 which is lower than the f critical value of 3.07 which is statistically Insignificant (p = 0.702) with regards to Haemetemesis treated in all the groups. There is no difference in all groups in reduction of Haemetemesis.

TABLE SHOWING THE COMPARISON BETWEEN THE GROUPS USING POST HOC TESTS WITH BONFERRONI CORRECTION

Parameters	Group A v/s Group B			Group B v/s Group C		Group C v/s Group A	
Mean	0.05	0.075	0.075	0.1	0.1	0.05	
SD	0.048	0.071	0.071	0.092	0.092	0.048	
Pooled Variance	0.0)59	0.081		0.070		
P Value	0.6	49	0.696		0.402		
Remarks	FALSE		FALSE		FALSE		
	Insign	ificant	Insignificant		Insignificant		

The comparison between Group A and Group B is statistically Insignificant which signifies that Group A and Group B are equally effective in reduction of Haemetemesis. The comparison between Group B and Group C is statistically insignificant which signifies that Group B and Group C are equally effective in reduction of Haemetemesis. The comparison between Group C and Group A is statistically insignificant which signifies that Group C and Group A are equally effective in reduction of Haemetemesis.

SUMMARY OF STATISTICS WITH REGARDS TO MALENA IN PEPTIC ULCER DISEASE IN ALL
THREE GROUPS

ANNOVA: Single Factor									
Parameters	Grou	рΑ	Grou	ир В	Group C				
Count	40		4	0	4	0			
Sum	6		7	7	8	3			
Mean	0.1	5	0.1	.75	0.	.2			
SD	0.13	0.130		.48	0.1	.64			
ANOVA									
	Sum of	Df	Mean	F Value	P Value	F			
	Squares		Square			Critical			
Between Groups	0.05	2	0.025	0.16932	0.844445	3.073763			
Within the	17 275	117	0 14765						
Groups Total	17.275 17.325	117 119	0.14765						

The f value of all three groups is 0.169 which is lower than the f critical value of 3.07 which is statistically Insignificant (p = 0.844) with regards to Malena treated in all the groups. There is no difference in all groups in reduction of Malena.

TABLE SHOWING THE COMPARISON BETWEEN THE GROUPS USING POST HOC TESTS WITH BONFERRONI CORRECTION

Parameters	Group A v/s Group B		Group B v/s Group C		Group C v/s Group A		
Mean	0.15	0.175	0.175	0.2	0.2	0.15	
SD	0.130	0.148	0.148	0.164	0.164	0.130	
Pooled Variance	0.1	.39	0.156		0.147		
P Value	0.7	⁷ 65	0.777		0.562		
Remarks	FALSE		FALSE		FALSE		
1 800	Insign	ificant	Insigni	Insignificant		<u>Insignificant</u>	

The comparison between Group A and Group B is statistically Insignificant which signifies that Group A and Group B are equally effective in reduction of Malena. The comparison between Group B and Group C is statistically insignificant which signifies that Group B and Group C are equally effective in reduction of Malena. The comparison between Group C and Group A is statistically insignificant which signifies that Group C and Group A are equally effective in reduction of Malena.

SUMMARY OF STATISTICS WITH REGARDS TO ENDOSCOPY FINDINGS IN PEPTIC ULCER DISEASE IN ALL THREE GROUPS

	ANNOVA: Single Factor									
Parameters	Grou	рΑ	Gro	Group B		Group C				
Count	40		4	0	4	0				
Sum	47	,	5	0	6	4				
Mean	1.17	75		25	N / 1.	.6				
SD	1.01	L9	0.8	358	0.9	12				
	ANOVA									
	Sum of Squares	Df	Mean Square	F Value	P Value	F Critical				
Between Groups	4.116667	2	2.058333	2.21194	0.114047	3.073763				
Within the Groups	108.875	117	0.930556							
Total	112.9917	119								

The f value of all three groups is 2.211 which is lower than the f critical value of 3.07 which is statistically Insignificant (p = 0.114) with regards to Endoscopic findings treated in all the groups. There is no difference in all groups in healing of the Ulcers.

TABLE SHOWING THE COMPARISON BETWEEN THE GROUPS USING POST HOC TESTS WITH BONFERRONI CORRECTION

Parameters	Group A v/s Group B		Group B v/s Group C		Group C v/s Group A	
Mean	1.175	1.25	1.25	1.6	1.6	1.175
SD	1.01	0.85	0.858	0.912	0.912	1.01
Pooled Variance	0.9)39	0.885		0.966	
P Value	0.7	730	0.100		0.056	
Remarks	FALSE		FALSE		FALSE	
	Insign	ificant	Insign	ificant	Insignificant	

The comparison between Group A and Group B is statistically Insignificant which signifies that Group A and Group B are equally effective in healing of the Ulcers. The comparison between Group B and Group C is statistically insignificant which signifies that Group B and Group C are equally effective in reduction of healing of the Ulcers. The comparison between Group C and Group A is statistically insignificant which signifies that Group C and Group A are equally effective in healing of the Ulcers.

Discussion

The fast paced stressful lifestyle coupled with inappropriate dietary habits have made man susceptible to a variety of disorders. Parinama shoola, one such disorder, was selected for the present study.

Parinama shoola is not mentioned in any of the Brhatrayi. Acarya Caraka has elaborated two diseases, Grahani and Gulma. These two chapters may be taken as guidelines for understanding diseases of Annavaha srotas. Even in case of Parinama shoola, the basic principles related to nidana pancaka may be applied from the above chapters itself. Acharya Sushruta however has identified Shoola as an independent disease. Acharya Vagbhata has also followed Acharya Charaka descriptions itself. The later generations of scholars have identified Parinama shoola as a separate disease entity and have also

elaborated diverse chikitsa for the same.

The nidana for Parinama shoola are not mentioned in any of the texts. Samanya shoola nidana applies in the case of Parinama shoola too. In addition to this, as Parinama shoola is a sannipataja vyadhi, the vishista shoola nidana pertaining to the tridosha were also included. This vyadhi being an Agnidustijanya vikara and an Annavaha srotovyadhi, the Annavaha Sroto dusti nidana also apply here. The Roopa told in parinama shoola "Sastika sali vrihinam odanena vivardhate" can also be regarded as nidana. This is evident from the fact that Duodenal ulcer is known to be more common in the riceeating areas of India than in the wheat-eating areas 96. This difference is attributed to the increased mastication required by the unrefined wheat diet, which is associated with an increase in saliva, lower stomach acidity and reduced bile output. So it is not only what we eat but even more how we eat it that is relevant in peptic ulcer disease.

In recent days the use of NSAID's, Aspirin, Steroid Drugs also

becoming a major nidana for Parinama Shoola. Amlapitta is also a nidana for Parinama Shoola. Contemporary science also says Gastritis and Peptic ulcer are known to occur secondary to each other.

Psychological stress has a major role to play in causing gastritis and ulcers.This acts by an intense vagal stimulation that initiates a cholinergic activity. It stimulates gastrin secretion, reduces parietal cell threshold level for response gastrin, stimulates histamine secretion that in turn triggers acid secretion and also stimulates pepsin secretion.

H-pylori infection is implicated with the causation of Peptic ulcers. Hpylori infection is present in virtually all patients with duodenal ulcers and about 70% of those with gastric ulcers. But only 10-20% of individuals worldwide infected with H.pylori actually develop peptic ulcers⁹⁷. Other events that may act alone or in connection with H.pylori to promote ulceration include peptic dietary factors, genetic factors, psychological factors etc. In Ayurveda also reference the of about presence krimi(Antrada, Udarada in etc)

Amashaya is there. Although none of the ayurvedic classics have described the involvement of krimi in parinama shoola.

Another thing which should be noted here is it not merely the presence of H.pylori which causes peptic ulcer, the reaction of stomach tissue to particular bacteria causes it. Also it's worthy to remind of "beejakshetra nyaya" here. Modern medicine believes that removing the causative organism by giving some visha will kill the organism (beeja) and thereby curing the disease (Drug-Bug theory). Ayurveda however believes in making the land infertile (kshetra) thereby the preventing growth of Beeja(Organism) and get rid of disease. In case of peptic ulcer Modern medicine is aiming at the eradication of H.pylori while Ayurveda aims at improving the protective mechanism of the mucosal layer of Stomach and duodenum.

The f value of all three groups is 12.34 which is higher than the f critical value of 3.07 which is statistically significant (p = 0.000014) with regards to pain treated in all the

groups. There is a difference in all groups in reduction of pain.

The f value of all three groups is 8.29 which is higher than the f critical value of 3.07 which is statistically significant (p = 0.000426) with regards to Nausea treated in all the groups. There is a difference in all groups in reduction of Nausea.

The f value of all three groups is 0 which is lower than the f critical value of 3.07 which is statistically Insignificant (p = 1.00) with regards to Vomiting treated in all the groups. There is no difference in all groups in reduction of Vomiting.

The f value of all three groups is 0.353 which is lower than the f critical value of 3.07 which is statistically Insignificant (p = 0.702) with regards to Haemetemesis treated in all the groups. There is no difference in all groups in reduction of Haemetemesis.

The f value of all three groups is 0.169 which is lower than the f critical value of 3.07 which is statistically Insignificant (p = 0.844) with regards to Malena treated in all the groups. There is no difference in all groups in reduction of Malena.

The f value of all three groups is 2.211 which is lower than the f critical value of 3.07 which is statistically Insignificant (p = 0.114) with regards to Endoscopic findings treated in all the groups. There is no difference in all groups in healing of the Ulcers.

Conclusions

- From this study it can be concluded that non compliance of code of healthy diet selection and eating plays a major role in causation of this disease.
- Vata Pradana Tridoshas,
 Agnimandhya, Sangam and Avaranam
 plays role in pathogenesis.
- Parinama Shoola is mentioned as Mahagada due to the Chronic nature of the disease.
- Parinama Shoola and Peptic ulcer disorder have Striking Similarity.
- Endoscopy plays a significant role in making precise Diagnosis of this condition.
- Present study reveals that the incidence of Parinama shoola (Peptic ulcer) is more among the age group of 41-50 years, males, middle class, Married and Persons having Mandagni.
- The incidence of Parinama shoola (Peptic ulcer) is more in Persons

- having habits of Smoking, excessive tea/coffee intake and in persons with Mental stress.
- Both the trial drugs used in this study possessed Agnidipana, Amapacana, Tridosasamana, Sulaprasamana, Vranaropana and Rasayana property which can effectively break the samprapti of Parinama Shoola.
- Both Leela Vilas Ras and Yashtimadhu
 Gritha are equally effective in Peptic
 Ulcer Disease.
- But the combination of both Leela
 Vilas Ras and Yashtimadhu Gritha are
 more effective in Peptic Ulcer Disease
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