



A Randomized Comparative Clinical Study to Evaluate the Effect of *Shuntyadi Syrup* and *Malashodhana* Syrup in *Vibandha* w.s.r. to Functional Constipation in Children

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ABSTRACT

Background

Vibandha or Constipation in children is defined as a delay or difficulty in defecation present for two or more weeks. The most common cause of constipation is the functional variety. A person with functional constipation may be healthy yet has difficulty in defecation. It is responsible for more than 90% of cases of constipation in healthy children. Delayed or inadequate intervention may result in stool with holding behavior along with worsening constipation and may end up in poor appetite, impaired weight gain and frequent abdominal complaints and even causes hemorrhoids, anal fissure and Sentinel tag in due course of time. Hence it is a necessity to address functional constipation. The trial was proposed to study the comparative effect of Malashodhana Syrup & Shuntyadi Syrup on specific parameters of Vibandha w.s.r. to functional constipation. **Methodology:** 1. Children of age group 2-12 years, fulfilling the diagnostic criteria of functional constipation, whose parents are willing to give consent, were selected from Kaumarabhritya OPD & IPD of SDM College of Ayurveda & Hospital, Udupi. 2. Selected subjects were randomly allocated into 2 groups of 15 patients each. Group A was administered with Malashodhana Syrup and group B with Shuntyadi Syrup both twice daily before food for 7 days. Was assessed before and after treatment with symptoms of Vibandha & Rome's criteria. Result: The result obtained were statistically analyzed and found that, both the groups showed highly significant result in reliving Kshutmandya, hard bowel movement, stool retention, increase in frequency of bowel movement & significant in reducing painful bowel movement, showed highly significant & significant result in reducing Udarashoola and Vilomascha Marutha respectively. Insignificant result in reducing number of episodes of fecal incontinence. Conclusion: Both Malashodhana Syrup & Shuntyadi Syrup can be considered as safe and effective in managing the Vibandha in children.

Key Words Vibandha, Functional Constipation, Malashodhana Syrup & Shuntyadi Syrup

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INTRODUCTION

Constipation in children is defined as a delay or difficulty in defecation persists for two or more weeks and sufficient to cause significant distress to the child and is associated with both physical and psychological morbidity and a poor quality of life. The most common cause of constipation is the functional variety. It is responsible for more than 90 percent of cases of constipation in healthy children. In the present scenario functional constipation is more prevalent below the age of 15 years and in the childhood its prevalence varies from 0.7 % to 29.6%. It comprises of about 3% general paediatric outdoor visits and around 30% of the visits to paediatric Gastroenterologist. I

Vibandha/Baddapureesha is similar to the features of constipation and which means Sanga, it indicates the state of *Srotodusti* especially Srothodusti.³ Pureeshavaha Its Lakshana includes voiding of small quantity of stool with difficulty or voiding a large quantity of watery stool with sound and pain. Current era due to changes in lifestyle, fast and stressful life, humans are frequently led towards irregular and bad habits of Ahara, Vihara and Vegadharana leading to several problems like Vibandha, Ajirna, Sthoulya etc. Vibandha not only caused because Purishavahasrothodusti it can also be caused because of Apanavata Vaigunya along with Agnimandya. As Agni is responsible for the formation of Pakwa Mala, Agnimandya is considered as main cause for Vibandha. Hence Agni plays a significant role in Vibandha. Main line of treatment mentioned in our classics for Vibandha is Agnideepana & Vatanulomana. many formulations Though mentioned Samhitha possess similar properties Kashava⁴ Malashodhana mentioned Sahasrayoga Kashaya Prakarana contains drugs such as Katuka, Amalaka, Guduchi, Shunti, Shampakapallava and Shiva was taken as trail Kashaya⁵ mentioned drug. Shuntyadi Jatharagni Vikaradhikara Bhavaprakasha contains three drugs namely, Shunti, Pippali and Haritaki was taken as control drug. Both formulations possess drugs with properties that helps in proper formation of Mala and breaks the obstruction & brings them downwards there by reliving the Vibandha. To make the trial drug more palatable and easy administration the above mentioned Kashayas were made into syrup form.

OBJECTIVES

The study was carried out with the following objectives

- To evaluate the effect of *Malashodhana* Syrup in the management of *Vibandha* (functional constipation).
- To evaluate the effect of *Shuntyadi* Syrup in the management of *Vibandha* (functional constipation).
- To evaluate the comparative effect of *Malashodhana* Syrup over *Shuntyadi* Syrup in the management of *Vibandha* (functional constipation).





MATERIALS & METHODS METHOD OF PREPARATION:

Method of preparation of Kashaya

The dried drugs of taken in one part in coarse powder form along with 8 parts of water. The mixture is boiled over *Mandagni* and reduced to 1/4th part and filtered. This filtrate is used for further *Sharkara Kalpana* preparation.

Method of preparation of Syrup

To the prepared *Kwatha*, double quantity of *Sharkara* is added and boiled over *Mandagni* until the liquid attains syrup consistency. It is later filtered to get rid of impurities present in *Sharkara*. Method of preparation of *Malashodhana* syrup and *Shuntyadi* syrup are explained below,

1. Method of preparation of Malashodhana syrup

The dried drugs of Malashodhana syrup were collected in a quantity of 335g each. The drugs were soaked in water over night, next day decoction of drugs was prepared by adding 8litres of water, boiled and reduced to 4litres, and filtered, to this 2670g of sugar were added and

boiled over Mandagni till it is reduced to 4L. The total quantity of suspension obtained was 4L which is cooled down and bottled into 200ml each. They were packed in plastic containers which were sealed and labelled.

2. Method of preparation of Shuntyadi syrup
The dried drugs of Shuntyadi syrup were
collected in a quantity of 670g each. The drugs
were soaked in water over night, next day
decoction of drugs was prepared by adding 8litres
of water, boiled and reduced to 4litres, and
filtered, to this 2670g of sugar were added and
boiled over *Mandagni* till it is reduced to 4L. The
total quantity of suspension obtained was 4L
which is cooled down and bottled into 200ml
each. They were packed in plastic containers
which were sealed and labelled.

The parameters of both control drug and trial were assessed with fundament parameters of standardization.⁶

Table.1contain the ingredients, part used and proportion of *Malashodhana* Syrup⁴:

Table.2 contain ingredients, part used and proportion of *Shuntyadi* Syrup⁵:

Table 1 Ingredients, part used and proportion of Malashodhana Syrup⁴

<i>U</i> /1	1 1		
INGREDIENTS	BOTANICAL NAME	PART TO BE USED	QUANTITY
Katuka	Picrorhiza kurroa Royle ex Benth.	Root	1 Part
Amalaka	Phyllanthus emblica L.	Fruit pulp	1 Part
Guduchi	Tinospora cordifolia (Thunb) Miers.	Root	1 Part
Shunti	Zingiber officinale Roscoe.	Rhizome	1 Part
Shampakapallava	Cassia fistula Linn.	Fruit pulp	1 Part
Shiva	Terminalia chebula Retz.	Fruit pulp	1 Part
Sharkara			Q.S.

Table 2 Ingredients, part used and proportion of *Shuntyadi* Syrup⁵

INGREDIENTS	BOTANICAL NAME	PART TO BE USED	QUANTITY
Shunti	Zingiber officinale. Rose	Rhizome	1 Part
Pippali	Pippli longum. Linn	Fruit	1 Part
Haritaki	Terminalia chebula. Retz	Fruit pulp	1 Part
Sharkara			Q.S.

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SOURCE OF DATA

The study was approved by Institutional Ethics Committee (Ref: SDMCAU/ACA -49/ECH 12/2020-21). Diagnosed cases of Vibandha (Functional Constipation) were selected from OPD & IPD of SDM college of Ayurveda & Hospital, Kuthpady, Udupi. Health camps were conducted in primary schools nearest to the hospital and the screened cases were called to SDM hospital for further evaluation. Consequently, the children fulfilling the specific diagnostic criteria for Vibandha were enrolled for this clinical study.

DIAGNOSTIC CRITERIA

ROME III criteria, functional constipation depending upon the age of the child is defined as, in a child with developmental age <4 years at least two of the following symptoms in absence of any organic pathology should occur for at least one month and ≥ 2 criteria fulfilled at least once per week for at least 2 months in a child ≥ 4 years of age;

- i. Two or less defecations per week,
- ii. At least one episode of fecal incontinence per week,
- iii. History of retentive posture or stool withholding maneuver,
- iv. History of painful or hard bowel movement,
- v. Presence of large fecal mass in the rectum,
- vi. History of large-diameter stools that may obstruct the toilet.

INCLUSION CRITERIA

The children of either gender between the age group of 2-12 years fulfilling the diagnostic criteria of functional constipation, whose parents are willing to give consent, were registered for the clinical study.

EXCLUSION CRITERIA

Children having constipation secondary to any of the other diseases like hypothyroidism, hirschprung's disease and structural anomalies of anal canal were excluded from the trial based on clinical presentations.

INTERVENTION:

Plan of intervention:

- **Dosage form** (*Kalpana*): Syrup
- **Dose**: Dose was calculated according to Young's Formula.
- 2 years 7ml
- 8 years 20ml
- 3 years 10ml
- 9 years 20ml
- 4 years 12ml
- 10 years 22ml
- 5 years 14ml
- 11 years 22ml
- 6 years 16ml
- 12 years 24 ml
- 7 years 18ml
- Time of administration: *Pragbakta* (Before food)
- Anupana: Sukoshna jala (lukewarm water)
- **Method of administration:** Oral, in 2 divided doses.

Group A – Administered with Malashodhana







syrup

Group B - Administered with Shuntyadi syrup

• Number of patients in each group: 15 patients

• Duration of study:

Treatment duration: 7 days

Total duration of study: 15 days.

Clinical evaluations were conducted both before and after treatment. On seventh day, the patient was asked to comeback for an evaluation. On day 14, a final clinical assessment was conducted.

The written informed consent of the parent/guardian is invariably taken prior to his/her child's inclusion in the study.

ASSESSMENT CRITERIA:

A detailed case sheet proforma was prepared and assessment was done based on the grading mentioned under Pediatric Rome III criteria for constipation & symptoms of *Vibandha*.

Subjective criteria:

According to Rome III criteria

- A. Painful defecation (Assessed by VAS)
- B. Frequency of defecation
- C. Number of episodes of fecal incontinence
- D. Excessive stool retention
- E. Hard bowel movement
- F. Large fecal mass in the rectum
- G. History of large diameter stools that may obstruct the toilet

According to symptoms of Vibandha

- A. *Kshutmandya* (reduced appetite)
- B. *Udarashoola* (Abdominal pain)
- C. *Vilomascha Maruta* (upward movement of flatus in the abdomen)

Table showing gradation for assessment criteria:

Symptoms were selected based on *Lakshanas* of *Vibandha* & Rome III criteria for the diagnosis of *Vibandha*. Gradings were given for each symptom based on severity.

OBSERVATION

Functional constipation is more prevalent in in weaning, toddler, pre-school & school age group children.⁷ Among 30 patients it was found that maximum number of patients belongs to the age group of 2-6 years (66.66%). 26 (86.66%) subjects had mixed diet, remaining 4 (13.33%) were taking vegetarian diet. Irrespective of age 29 patients had < 1 litre water intake per day, only one patient had 1-2 litre of water intake per day. Agni Vaishamya is considered as Moola for all the disorders, 73.33% subjects had Mandagni, Agnimadyatha is the main cause for Vibandha, majority of the patients had Mandagni. Maximum number of subjects had Krura Kosta i.e. 83.33 %. The general symptoms of Vibandha were assessed in the patients of present study shows that, the incidence of hard stool & irregular defecation was present in all the 30 patients (100%), straining while defecation was present in 29 patients (96.66%) & painful defecation was present in 26 patients (86.66%). On observing the symptoms which are commonly associated with Vibandha, reduced appetite was present in 29 (96.66%) subjects, 21 (70%) subjects had pain abdomen, 6 (20%) subjects had January 10th 2023 Volume 20, Issue 1 Page 25



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incontinence & 2 (6.66%) subjects had bleeding per rectum.

carried out using the statistical package for social science (SPSS) VER.20.

RESULTS

Subjective Parameters: Within the group assessed using Wilcoxon Signed-Rank Test

Statistical methods - Statistical analysis was

Table No.3 explains the effect on parameters within the groups.

Table 3 Effect on	parameters	within th	ne groups.
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Parameter		gative rank	<u> </u>	Positive rank		Ties	Total	Z value	P value	Inference		
	N	MR	SR	N	MR	SR	=					
1. KSHU	JTHMA	NDYA										
GROUP $A - M$	<i>IALASH</i>	<i>ODHANA</i> SYRU	JP									
BT-AT	14	7.50	105.0	0	.00	.00	0	15	-3.37	0.001	HS	
BT-FU	14	7.50	105.0	0	.00	.00	0	15	-3.37	0.001	HS	
GROUP $B - SI$	HUNTY	ADI SYRUP										
BT-AT	15	8	120	0	.00	.00	0	15	-3.50	0.000	HS	
BT-FU	15	8	120	0	.00	.00	0	15	-3.50	0.000	HS	
2. UDAF	RASHO	OLA										
GROUP $A - M$	<i>IALASH</i>	<i>ODHANA</i> SYRU	JР									
BT-AT	10	5.5	55	0	0.00	0.00	1	15	-2.85	0.004	S	
BT-FU	10	5.5	55	0	0.00	0.00	1	15	-2.85	0.004	S	
GROUP B – S	HUNTY.	<i>ADI</i> SYRUP										
BT-AT	13	7	91	0	0.00	0.00	0	15	-3.41	0.001	HS	
BT-FU	13	7	91	0	0.00	0.00	0	15	-3.41	0.001	HS	
3. VILO	MASCI	HAMARUTHA							_	_		
GROUP $A - M$	<i>IALASH</i>	<i>ODHANA</i> SYRU	JP									
BT-AT	10	5.50	55	0	0.00	0.00	0	15	-3.162	0.002	S	
BT-FU	10	5.50	55	0	0.00	0.00	0	15	-3.162	0.002	S	
GROUP B – S	HUNTY	<i>ADI</i> SYRUP										
BT-AT	13	7.00	91	0	0.00	0.00	0	15	-3.602	0.000	HS	
BT-FU	13	7.00	91	0	0.00	0.00	0	15	-3.602	0.000	HS	
4. FEQU	JENCY	OF STOOL										
	<i>IALASH</i>	<i>ODHANA</i> SYRU	JР									
BT-AT	15	8.00	120	0	.00	.00	0	15	-3.493	0.000	HS	
BT-FU	15		120	0	.00	.00	0	15	-3.508	0.000	HS	
GROUP $B - SI$	HUNTY.	<i>ADI</i> SYRUP										
BT-AT	15	8.00	120	0	.00	.00	0	15	-3.473	0.001	HS	
BT-FU	14	7.50	120	0	.00	.00	1	15	-3.372	0.001	HS	
		F FECAL INCO		E								
	<i>IALASH</i>	<i>ODHANA</i> SYRU	JP									
BT-AT	2	1.50	3.00	0	0.00	0.00	0.00	15	-1.342	0.180	NS	
BT-FU	2	1.50	3.00	0	0.00	0.00	0.00		1.342	0.180	NS	
GROUP $B - SI$	HUNTY.	<i>ADI</i> SYRUP										
BT-AT	3	2.00	6.00	0	0.00	0.00	1	15	-1.633	0.102	NS	
BT-FU	3	2.00	6.00	0	0.00	0.00	1	15	-1.633	0.102	NS	
6. HARI	D STOC)L										
GROUP $A - M$	<i>IALASH</i>	<i>ODHANA</i> SYRU	JP									
BT-AT	15	8	120	0	0.00	0.00	0	15	-3.49	0.000	HS	
BT-FU	15	8	120	0	0.00	0.00	0	15	-3.49	0.000	HS	
GROUP B – SA		-										
BT-AT	15	8	120	0	0.00	0.00	0	15	-3.57	0.000	HS	
BT-FU	14	7.50	105	0	0.00	0.00	1	15	-3.44	0.001	HS	
		OWEL MOVEM								0.001		
		ODHANA SYRU										



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BT-AT	12	6.50	78	0	0.00	0.00	1	15	-3.11	0.002	S	
BT-FU	12	6.50	78	0	0.00	0.00	1	15	-3.11	0.002	S	
GROUP B – SHUNTYADI SYRUP												
BT-AT	12	6.50	78	0	0.00	0.00	1	15	-3.11	0.002	S	
BT-FU	12	6.50	78	0	0.00	0.00	1	15	-3.11	0.002	S	
8. STO	8. STOOL RETENTION											
GROUP A –	MALASHC	ODHANA SYR	UP									
BT-AT	14	7.50	105.00	0	0.00	0.00	1	15	-3.74	0.000	HS	
BT-FU	14	7.50	105.00	0	0.00	0.00	1	15	-3.74	0.000	HS	
GROUP B –	SHUNTYA	<i>DI</i> SYRUP										
BT-AT	15	8	120.00	0	0.00	0.00	0	15	-3.87	0.000	HS	
BT-FU	15	8	120.00	0	0.00	0.00	0	15	-3.87	0.000	HS	

Table 4 Effect on parameters between the groups

Paramete	ers N	GrA (n)	Gr B	Mean rank		Sum of rank		U	Z	P	Remarks
			(n)	Gr A	Gr B	Gr A	Gr B	value	value	value	
1.	KSHUTHMANDHYA										
BT-AT	15	14	15	16.14	13.93	226	209	89	-0.785	0.432	NS
BT-FU	15	14	15	16.14	13.93	226	209	89	-0.785	0.432	NS
2.	UDARASHOOLA										
BT-AT	15	11	13	10.86	13.88	119.50	180.50	53.50	-1.251	0.211	NS
BT-FU	15	11	13	10.86	13.88	119.50	180.50	53.50	-1.251	0.211	NS
3.	VILOMASCHAMARU	<i>ITHA</i>									
BT-AT	15	10	13	12	12	120.00	156.00	65.00	0.00	1.000	NS
BT-FU	15	10	13	12	12	120.00	156.00	65.00	0.00	1.000	NS
4.	FREQUENCY OF ST	TOOL									
BT-AT	15	15	15	16.67	14.33	250.00	215.00	95	-0.80	0.42	NS
BT-FU	15	15	15	15.97	15.03	239.50	225.50	105.50	-0.32	0.74	NS
5.	FECAL INCONTINE	ENCE									
BT-AT	15	2	4	3.00	3.75	6.00	15.00	3.00	-0.49	0.623	NS
BT-FU	15	2	4	3.00	3.75	6.00	15.00	3.00	-0.49	0.623	NS
6.	HARD STOOL										
BT-AT	15	15	15	13.90	17.10	208.50	256.50	88.50	-0.726	0.468	NS
BT-FU	15	15	15	13.40	17.60	201.00	264.00	81.11	-0.726	0.468	NS
7.	PAINFUL BOWEL N	IOVEME	NT								
BT-AT	15	13	13	12.54	14.46	163.00	188.00	72.00	-0.726	0.468	NS
BT-FU	15	13	13	12.54	14.46	163.00	188.00	72.00	-0.726	0.468	NS
8.	STOOL RETENTION	1									
BT-AT	15	15	15	16.00	15.00	240.00	225.00	105.00	-1.000	0.317	NS
BT-FU	15	15	15	16.00	15.00	240.00	225.00	105.00	-1.000	0.317	NS

Non-Parametric data: Analysis between the group assessed using Mann-Whitney U Test

Table no.4 explains the effect on parameters between the groups

Both the groups showed highly significant changes in reliving Kshutmandya, hard bowel movement, stool retention, increase in frequency of bowel movement & significant in reducing painful bowel movement. *Shuntyadi* Syrup &

Malashodhana Syrup showed highly significant & significant in reducing *Udarashoola* and *Vilomascha Marutha* respectively. Both the groups showed not significant in reducing number of episodes of fecal incontinence. Between the groups, statistically both the groups are shows statistically non-significant result in all the parameters. It may be due to the small sample size. But clinically both groups are showing





significant improvements in the management of *Vibandha*.

DISCUSSION

Vibandha is a condition caused by vitiation of Vata Dosha especially Apana Vata along with Agnimandya. Vibandha as a separate disease entity is not mentioned in the Ayurveda classics, but described as either symptom or complication in association with many diseases. Prakopaka Ahara & Vihara are the prime causes of Vibandha. This can be understood as improper dietary habits & lifestyle and constant mental stress that results in disturbances of Agni and Apanavata. Agni has been meant to be a sign of life in the body. *Agni*, the pivot, around which the remaining factors responsible for the maintenance of health & causation of disease revolve. Agnimandya and Apana Vata Dushti is invariably present in the Samprapti of the Vibandha along with derangement in the function of Pachaka Pitta, Avalambaka Kapha & Samana Vata.

Study reveals school going age group was more likely to suffer from the *Vibandha* (Constipation), As this age group was more exposed towards the changing the life style, food habits and behavioural modification. When compared to vegetarians, the prevalence of *Vibandha* was greater among non-vegetarians. Regular intake of meat will be the cause as it is high in fat, takes longer for the digestive tract to process it. Because of tough protein fibers it is difficult for

digestion and it is rich in iron, which are constipating in nature. Many processed meats contain nitrate to extend their shelf life. These nitrates also contribute to constipation. Studies also suggests that constipation may be caused due to fluid restriction. Water movement through the gastrointestinal wall has great significance. There is an equilibrium between intestinal water secretion and absorption it should be maintained within narrow limit, disturbance will result in diarrhoea or constipation.

Ama is formed as a result of *Mandagni*, this *Ama* will block the normal passage of Vayu, particul arly *Apanavata*, leading to *Pureesha Apravartana*. Improper dietary habit might be the cause for *Vibandha* in *Vishamagni* children. In Samagni children also Vibandha was observed this might be due to *Apana Vata Vaigunya* caused by *Vatakara Ahara-Vihara*.

In Vibandha, the majority of subjects typically have Krura Koshta as a result of improper Ahara and Viharas. The same was observed in present study. In this case Vata is the predominant Dosha, which can cause hard stools, difficulty urinating, or even non-elimination when present. Both the groups syrups are predominant with Katu Tiktha Rasa Pradhana, having Deepana, Pachana properties. Deepana, Pachana dravya enhances the status of Agni, it does the Ama Pachana & unclogs the Srotas. Piperine, pellitorine, shogaol & zingerone act carminative & stimulant to gastrointestinal tract, relieves Vibandha.





Dravya present in both syrup has *Deepana*, *Pachana & Vatanulomana* property which helped in relieving stool retention and there by relieved *Udarashoola*. *Anulomana* of Vata is the main line of treatment in *Vibandha*. Drugs like *Haritaki*, *Shampakapallava* have the property of *Vatanulomana*. By virtue of *Vathanulomana* property *Vilomagathi* of *Marutha* got corrected and there by *Vibandha* got relieved.

For the proper formation of *Mala*, *Agni* should be in Samavasta, so Agni Deepana, Amapachana should be done first, Drugs like Shunti, Pippali, Guduchi, Katuki acts as Agni Deepaka and Amapachaka The drugs present in both formulations helps in proper formation of Mala and expel them out. Haritaki and Katuki act as Anulomaka and Bhedaka respectively. Shampakapallava, Amalaki & Sharkara acts as Virechaka. Tannin. antraquinoneglycones, antraquinoneglycoside, picrorhizin, kutkin act as laxative. 10 By the action of these constituents, frequency of defecation increased & thus acted positively on Vibandha.

Fecal incontinence has been defined as the voluntary or involuntary passage of faeces in inappropriate The place. coexistence constipation & fecal incontinence has long been recognized. Fecal incontinence is mostly due to impacted stool in the rectum. In general, fecal incontinence responds to laxative therapy. 11 Both formulations Bedhana, Virechaka contain property & that may help in relieving fecal incontinence. In the present study subjects having fecal incontinence were less hence result showed insignificance statistically.

Anulomana Karma of Haritaki facilitates proper formation of stool & also helps in reduced reabsorption of water from faeces and resolve hard stools. Katuki helps in breakdown of hard bowel and expel them out. Tannin, picrorhizin, kutkin acts as laxative. All these helps in resolving Hard stool and there by facilitating defecation. Painful bowel is due to mala Katinatha & Apana Vayu Vridhi in Pureeshavaha Srotas. Both the formulations help in relieving Mala Katinatha and brings proper functioning of Apanavayu. Further Pippali & Harithaki has Vedana Sthapaka Karma which aids in reduction of pain while defecation.

Both the formulation helps in clearing bowel regularly due to *Virechaka* property of drugs. Active principles present in the formulations helps in increasing intestinal motility and thereby regular clearance of bowel.

Malashodhana Syrup & Shuntyadi possesses properties like Deepana, Pachana & Vatanulomana that helps in proper formation of Malas and breaks the obstruction & brings them downwards there by reliving the Vibandha. Through the clinical study, it was discovered that all of the Vibandha symptoms were reduced. Moreover, additionally after treatment period and during follow-up, there was no recurrence of symptoms. The drugs in Malashodhana Syrup & Shuntyadi Syrup are equally effective which was of Pachana, because the Deepana,



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Srotoshodhana & Vatanulomana property successful in breaking the *samprapthi*.

CONCLUSION

Statistically both the groups showed highly significant changes in reliving Kshutmandya, hard bowel movement, stool retention, increase in frequency of bowel movement & significant in reducing painful bowel movement. Shuntyadi Syrup showed highly significant result in Udarashoola and Malashodhana Syrup showed significant result in Vilomascha Marutha respectively. The present study, Clinically & statistically discloses both Malashodhana Syrup & Shuntyadi Syrup are equally effective in the management of Vibandha. Acted positively on frequency and consistency of stool. Both the syrups were well tolerated by the subjects without the occurrence of any kind of adverse reactions throughout the completion of the study.





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