



Research Article

EFFICACY OF YAVA KSHARA SUTRA TRANSLIGATION IN THE MANAGEMENT OF ARSHAS (3RD & 4TH DEGREE HAEMORRHOIDS) - A RANDOMISED CONTROLLED CLINICAL STUDY

Abhinav Sharma^{1*}, Mahantesh M Salimath², Geetanjali Hiremath³

*¹PG Scholar, ²Professor & HOD, ³Associate Professors, Department of Shalya Tantra, SJG Ayurveda Medical College, Hospital, Karnataka, India.

Article info

Article History:

Received: 20-11-2025

Accepted: 25-12-2025

Published: 20-01-2026

KEYWORDS:

Arshas,
Haemorrhoids,
Yava ksharasutra,
Apamarga
ksharasutra.

ABSTRACT

Arsha is named as one of the most common *Guda Vyadhis*. According to *Acharya Vagbhata*, Arshas are defined as *Mamsankura*, which obstruct *Guda Marga* and thus affect the person like an enemy. In contemporary terminology, Arshas is comparable to piles or hemorrhoids, which represent pedunculated growths due to the engorgement of radicles of superior, middle, and inferior rectal veins. As per the *Sushruta Samhita* text, the management of Arshas involves *Bheshaja Chikitsa*, *Kshara Karma*, *Agnikarma*, and *Shastra Karma*. *Chikitsa* of Arshas by the use of *Kshara* is minimally invasive as well as cost effective and is a potent alternative for surgical procedures. *Apamarga* (*Achyranthes aspera*) has shown its efficacy in the management of anorectal disorders and has been used widely for *Kshara* preparation. The only limitation to its usage is its seasonal variation in growth; thus, there is a need of alternative *Kshara dravya*. *Yava* (*Hordeum vulgare* Linn.) commonly known for its *Lekhana* action described by *Acharya Sharangadhara*, is employed for *Kshara Sutra* preparation in this study. **Objectives:** To evaluate *Yava Kshara Sutra* as an effective, easily available, and economical alternative to *Apamarga Kshara Sutra* in the management of Arshas (3rd & 4th Degree Haemorrhoids). **Materials & Methods:** A minimum of 40 patients diagnosed with symptoms of Arshas attending O.P.D & I.P.D of *Shalya Tantra* Department, S.J.G. Ayurveda Medical College and Hospital, Koppal, Karnataka, selected for the study. **Outcomes:** All 40 patients diagnosed with Arshas (3rd & 4th degree Hemorrhoids) were randomly divided in Group A and Group B and subjected to *Kshara sutra* transligation procedure of management. **Conclusion:** This case study demonstrates the therapeutic efficacy of *Yava kshara sutra* and comparison with standard *Apamarga kshara sutra* transligation in the management of Arshas (3rd & 4th degree Hemorrhoids).

INTRODUCTION

Hemorrhoids are the anatomical anal cushions present in the anal canal also known as the Corpus Cavernosum Recti. These cushions prolapse internally due to various etiological factors and pathologically present as pedicle like lesions formed by dilated radicles of the superior, middle and inferior rectal veins in the subepithelial region of the anal canal.

Internal Haemorrhoids occur within the anal canal and External Hemorrhoids are situated outside the anal orifice. ^[1]

Haemorrhoids are correlated to Arshas in the contemporary science. According to *Acharya Vagbhata*, Arshas are the *Mamsankura* (engorged veins) protruding out and obstructing the *Guda marga* (anal canal) which tortures the person like an enemy ^[2].

This disease affects males and females with equal predisposition and increased incidence have been observed in the population worldwide. At least 50% of the people over the age of 50 years have some degree of symptoms related to haemorrhoids. ^[3] With increasing trend of westernization of diet the disease shows advanced prevalence rate (4.4%). The elimination of fibre rich food from the diet shows a

Access this article online

Quick Response Code



<https://doi.org/10.47070/ayushdhara.v12i6.2380>

Published by Mahadev Publications (Regd.)
publication licensed under a Creative Commons
Attribution-NonCommercial-ShareAlike 4.0
International (CC BY-NC-SA 4.0)

predilection towards development of piles. Haemorrhoids may occur at any age but mostly seen in the age between 30 to 65 years.^[4]

According to prolapse haemorrhoids are classified into 4 degrees wherein 3rd degree haemorrhoids come out during defecation and do not return by themselves but need to be placed back manually and 4th degree haemorrhoids are permanently prolapsed and are characterized by a great deal of discomfort and heaviness in the rectum. Bleeding, prolapse, pain, discharge and anaemia are the common clinical features.^[5]

Modern therapeutic management for 3rd & 4th degree Hemorrhoids includes Lord's dilatation, Cryosurgery, Infra-red coagulation, laser therapy, DGHAL (Doppler Guided Hemorrhoidal Artery Ligation), open-Haemorrhoidectomy, closed-haemorrhoidectomy, and Stapled Haemorrhoidopexy^[6] which have their own disadvantages.

Disadvantages such as starting of profuse watery discharge within 3 hours of Cryosurgery which lasts upto 3 to 4 weeks, significant incidences of incontinence in elderly after Anal dilatation, association of complications such as stricture of anal canal following closed hemorrhoidectomy.^[7]

Acharya Sushruta has mentioned six types of Arshas they are *Vataja*, *Pittaja*, *Kaphaja*, *Raktaja*, *Sannipataja* and *Sahaja*. Arshas are associated with clinical features such as *Mamsankura* in *Guda*, *Shula*, *Vedana*, *Rakta atisrava*, *Daha*, *Guda kandu*, *Shopha*^[8]. Treatment modality for the management of Arshas^[9] as advised in *Sushruta Samhita* are *Bheshaj Chikitsa*, *Kshara Karma*, *Agnikarma* and *Shastra Karma*. Among these *Kshara karma* in *Arshachikitsa* has been advised in Arshas which are *Mrudu* (soft), *Prasruta* (broad), *Avagadha* (deep seated) and *Uchrita* (bulged up).^[10]

Apamarga (*Achyranthes aspera*) has shown its efficacy in the management of anorectal disorders and has been used widely for *Kshara* preparation. The only limitation to its usage is its seasonal variation in

Table 1: Details of Intervention

S.No	Details	Trial Group A- 20 Patients	Control Group B- 20 Patients
1.	Intervention	<i>Yava Kshara Sutra</i> Transligation	<i>Apamarga Kshara Sutra</i> Transligation

Source of Drug

Raw drugs - *Apamarga* and *Yava* as shown in Table-2 were identified and authenticated by Department of *Dravyaguna* were collected from the source of availability and the *Kshara* was prepared according to the classical references at our college pharmacy and same was used for the preparation of *Kshara Sutra*.

growth; thus, there is a need of alternative *Kshara dravya*. *Yava* (*Hordeum Vulgare Linn.*) is one of the *Kshara Dravya* as mentioned by *Acharya Sharangdhara*^[11] which is well known for its *Lekhana* property in the *Chikitsa* of *Arshas*, has been selected as the choice of drug in this study for making of *Kshara Sutra*.

The efficacy of *Yava Kshara Sutra* in the management of *Arshas* (3rd & 4th degree haemorrhoids) has been analyzed statistically in this study.

MATERIALS AND METHODS

Trial Design

The trial type and allocation ratio for this study are randomized parallel group trial and 1:1, respectively. This study is approved by ethical clearance obtained from Shree Jagadguru Gavisiddeshwara Ayurvedic Medical College (Ref. No/ 2023/448/10). Informed consent was sought before recruiting individuals into this study. The trial was registered with the central trial registry of India (CTRI/2025/06/089255).

Eligibility Criteria for Participants

Inclusion Criteria

Patient of either gender aged between 20-65 years diagnosed with *Arshas* (3rd & 4th degree Hemorrhoids).

Exclusion Criteria

Hemorrhoids associated with fistula in ano, fissure in ano, Crohn's disease, ulcerative colitis, immune compromised patients, systemic conditions such as diabetic, hypertensives, TB, patients testing positive for Human Immune Deficiency Virus, Hepatitis B, patients with anemia with Hemoglobin less than 8g, with 1st and 2nd degree hemorrhoids.

Collection of Data

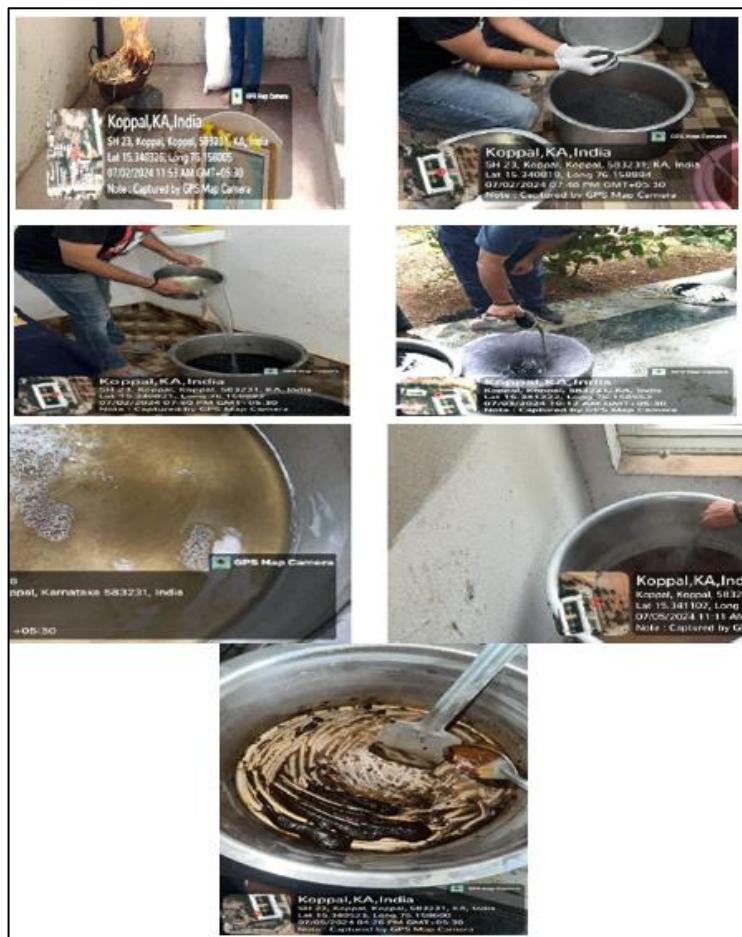
The cases of 3rd and 4th degree internal Haemorrhoids from the OPD of Shree Jagadguru Gavisiddeshwara Ayurvedic Medical College meeting the inclusion and exclusion criteria were assigned in groups as depicted in Table-1.

Table 2: Drugs used in the preparation of *Kshara sutra* & pharmacological Properties [12]

S.No.	Ingredients	Botanical Name	Part Used	Karma
1.	<i>Yava</i>	<i>Hordeum vulgare</i>	<i>Panchanga</i>	<i>Kapha hara, Ruksha, Shita, Guru, Lekhana, Susukshma, Sheeghrapaki, Agnideepaka</i>
2	<i>Apamarga</i>	<i>Achyranthes Aspera</i>	<i>Panchanga</i>	<i>Kaphaghna, Laghu, Teekshna, Ruksha, Usna</i>

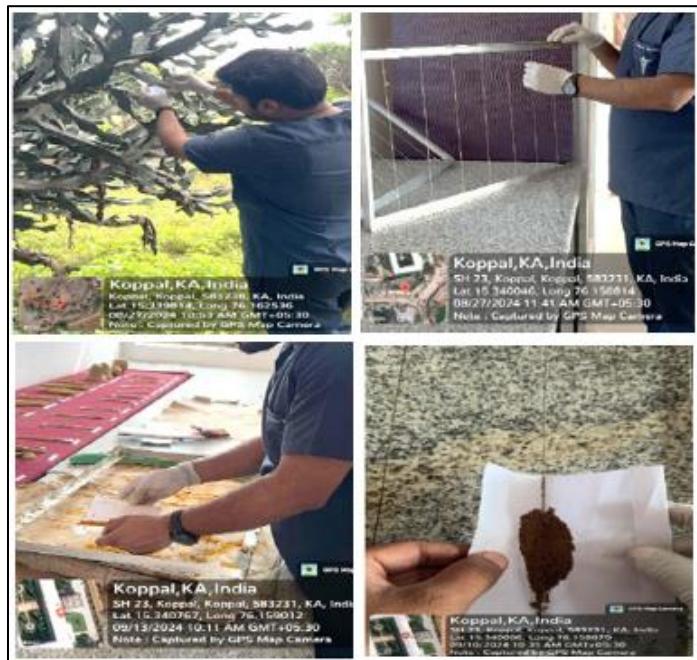
Preparation of *Kshara*

As shown in Figure-1 *Panchangas* of the *Yava* (*Hordeum vulgare*) /*Apamarga* (*Achyranthes Aspera*) were collected in moist form and cut into small pieces and dried in shadow. The *Panchangas* of the dried *Yava*/ *Apamarga* were heaped on a clean stone slab and ignited with *Tila nala* and was allowed to burn completely into ash, then ash was allowed to cool (*Swanga sheeta*). Then ash was collected and soaked in 6 times (as per volume) of the water and stirred well, then kept undisturbed overnight. Next day morning the supernatant liquid portion was decanted into another container and the sedimented portion was discarded. Then this was filtered for 21 times and residue was discarded. Then filtrate is heated on low flame and stirred continuously to get homogenous *Kshara* paste. Later, this *Kshara* paste is shifted to small wok and heated on low flame until it converts into powder form.

**Figure 1: Preparation of *Kshara***

Preparation of *Kshara sutra*

As shown in figure-2 Barbour thread no. 20 was taken and *Snuhi Ksheera* was applied 11 times, after complete drying of each previous coating. The same was done using the *Snuhi Ksheera* with *Yava/Apamarga mridu Kshara* for 7 times and last 3 coatings will be done by using *Snuhi Ksheera* with *Haridra Churna*.

Figure 2: *Kshara Sutra Preparation*

Methodology

Patients fulfilling the inclusion criteria were selected and were posted for the procedure after appropriate clinical examination and investigations. Proper informed consent was taken and after pre-operative preparation of patient, procedure of *Kshara sutra* transligation at the base of hemorrhoids was performed as shown in figure.3 followed by post operative care and assessment.

Figure 3: *Kshara Sutra Transligation*

Outcome measures

Primary Outcome

Observation of the effects of *Kshara sutra* transligation were observed on the pile mass and anal mucosal surface. These observations were recorded clinically while assessing any other adverse drug reaction.

Sample size and Randomization

40 samples were taken for the study, 20 in each group was randomized in simple random technique based on order of presentation in our clinical department. Alternation of patients was done randomly under the supervision of guide. The estimated duration of trial was for 1 year.

Statistical Measures

Fridman's test, Bonferroni test, Mann whitney U test was used to compare group A and group B for primary outcome. The parameters included in statistical analysis were pain, bleeding per rectum, mucoid discharge, pruritus ani and fall of mass.

Assessment criteria

Subjective parameters

1. Bleeding

Grade 0 – No bleeding

Grade 1 – Mild bleeding; occasional episodes (during defecation)

Grade 2 - Moderate bleeding; frequent episodes (during defecation)

Grade 3 - Severe bleeding; persistent bleeding even without defecation with fall in Hb level (<10 gm/dL); requiring haematinics.

Grade 4 - very severe bleeding; bleeding in the form of jets and splashes with severe fall in Hb level (<8 gm/dL); requiring blood transfusion.

2. Pain

Grade 0 - No pain

Grade 1 - Mild pain (Pt. able to tolerate, subsides with rest)

Grade 2 - Moderate pain (Pain subsides with the use of analgesics)

Grade 3 - Severe pain (Pain doesn't subsides even after taking analgesics)

3. Mucoid Discharge

Grade 0 - No noticeable mucus discharge

Grade 1 - Occasional clear mucus on wiping/toilet paper; no pad/undergarment change needed

Grade 2 - Moderate (visible underwear staining; sometimes needs to change undergarment)

Grade 3 - Severe (continuous discharge; requires pad; perianal skin irritation; interference with activities/sleep)

RESULTS

Table 3: Mean scores of subjective, objective parameters between groups

Parameters	Group A					Group B				
	BT-1 st day	AT-3 rd day	FU-5 th day	FU-7 th day	%	BT -1 st day	AT 3 rd day	FU-5 th day	FU-7 th day	%
Bleeding	2.50	1.15	0.70	0.10	96%	2.40	0.90	0.45	00	100%
Pain	2.10	1.20	0.75	0.25	88%	2.10	1.00	0.50	0.05	97.6%
Mucoid discharge	1.50	0.45	0.20	0.05	96.7%	1.55	0.35	0.10	0.00	100%
Pruritus ani	1.20	0.60	0.45	0.20	83.3%	1.25	0.45	0.30	0.10	92%

Subjective Parameters

Effect on Bleeding

Table 4: Comparisons Between Group A (Trial) with Group B (Control) in Bleeding

Observations Recorded on	Descriptives			Mean Diff. & (% Diff. from pre phase)	Mann-Whitney U				
	Group	Mean Score \pm SD	Median Value		U Statistic	Effect Size	Z	P	Remarks
AF1 -3 rd Day	A (n=20)	1.15 \pm 0.59	1.0	0.25 (8.50%)	158	0.22	1.37	0.17 (>0.05)	NS
	B (n=20)	0.90 \pm 0.55	1.0						
AF2 -5 th Day	A (n=20)	0.70 \pm 0.47	1.0	0.25 (9.25%)	150	0.25	1.58	0.114 (>0.05)	NS
	B (n=20)	0.45 \pm 0.51	0.0						
AF3 -7 th Day	A (n=20)	0.10 \pm 0.31	0.0	0.10 (4.00%)	180	0.23	1.43	0.152 (>0.05)	NS
	B (n=20)	0.00 \pm 0.00	0.0						

Between the groups findings concerning the bleeding variable suggests that overall Group B (Control) is almost same as Group A (Trial) by mere difference of 4.00% and mean difference was 0.1 at the last AF3 -7th Day phase, with a small effect size of $r= 0.23$ result. Then the Mann-Whitney U Test analysis suggests that there is no significant difference between Groups A and B in terms of their respective reductions in bleeding for all phases like AF1 -3rd Day, AF2 -5th Day and AF3 -7th Day. The p-values above the conventional threshold of 0.05 indicate a lack of statistical significance, implying that the observed variations in Bleeding reduction between the two groups are likely due to chance rather than meaningful differences.

Effect on Pain

Table 5: Comparisons Between Group A (Trial) with Group B (Control) in Pain

Observations Recorded on	Descriptives			Mean Diff. & (% Diff. from pre phase)	Mann-Whitney U				
	Group	Mean Score \pm SD	Median Value		U Statistic	Effect Size	Z	P	Remarks
AF1 -3 rd Day	A (n=20)	1.20 \pm 0.52	1.0	0.20 (9.52%)	164	0.20	1.29	0.198 (>0.05)	NS
	B (n=20)	1.00 \pm 0.46	1.0						
AF2 -5 th Day	A (n=20)	0.75 \pm 0.44	1.0	0.25 (11.90%)	150	0.25	1.61	0.107 (>0.05)	NS
	B (n=20)	0.50 \pm 0.51	0.5						
AF3 -7 th Day	A (n=20)	0.25 \pm 0.44	0.0	0.20 (9.52%)	160	0.28	1.75	0.08 (>0.05)	NS
	B (n=20)	0.05 \pm 0.22	0.0						

Between the groups findings concerning the pain variable suggests that overall Group B (Control) is almost same as Group A (Trial) by mere difference of 9.52% and mean difference was 0.2 at the last AF3 -7th day phase, with a small effect size of $r= 0.28$ result. Then the Mann-Whitney U Test analysis suggests that there is no significant difference between Groups A and B in terms of their respective reductions in pain for all phases like AF1 -3rd day, AF2 -5th day and AF3 -7th day. The p-values above the conventional threshold of 0.05 indicate a lack of statistical significance, implying that the observed variations in pain reduction between the two groups are likely due to chance rather than meaningful differences.

Effect on Mucous Discharge

Table 6: Comparisons Between Group A (Trial) with Group B (Control) in Mucous Discharge

Observations Recorded on	Descriptives			Mean Diff. & (% Diff. from pre phase)	Mann-Whitney U				
	Group	Mean Score \pm SD	Median Value		U Statistic	Effect Size	Z	P	Remarks
AF1 -3 rd Day	A (n=20)	0.45 \pm 0.61	0.0	0.10 (7.42%)	187	0.07	0.43	0.665 (>0.05)	NS
	B (n=20)	0.35 \pm 0.49	0.0						
AF2 -5 th Day	A (n=20)	0.20 \pm 0.41	0.0	0.10 (6.88%)	180	0.14	0.87	0.382 (>0.05)	NS
	B (n=20)	0.10 \pm 0.31	0.0						
AF3 -7 th Day	A (n=20)	0.05 \pm 0.22	0.0	0.05 (3.33%)	190	0.16	1.00	0.317 (>0.05)	NS
	B (n=20)	0.00 \pm 0.00	0.0						

Between the groups findings concerning the mucous discharge variable suggests that overall Group B (Control) is almost same as Group A (Trial) by mere difference of 3.33% and mean difference was 0.05 at the last AF3 -7th day phase, with a small effect size of $r= 0.16$ result. Then the Mann-Whitney U Test analysis suggests that there is no significant difference between Groups A and B in terms of their respective reductions in mucous discharge for all phases like AF1 -3rd day, AF2 -5th day and AF3 -7th day. The p-values above the conventional threshold of 0.05 indicate a lack of statistical significance, implying that the observed variations in mucous discharge reduction between the two groups are likely due to chance rather than meaningful differences.

Effect on Pruritis Ani**Table 7: Comparisons Between group A (Trial) with group B (Control) in pruritus ani**

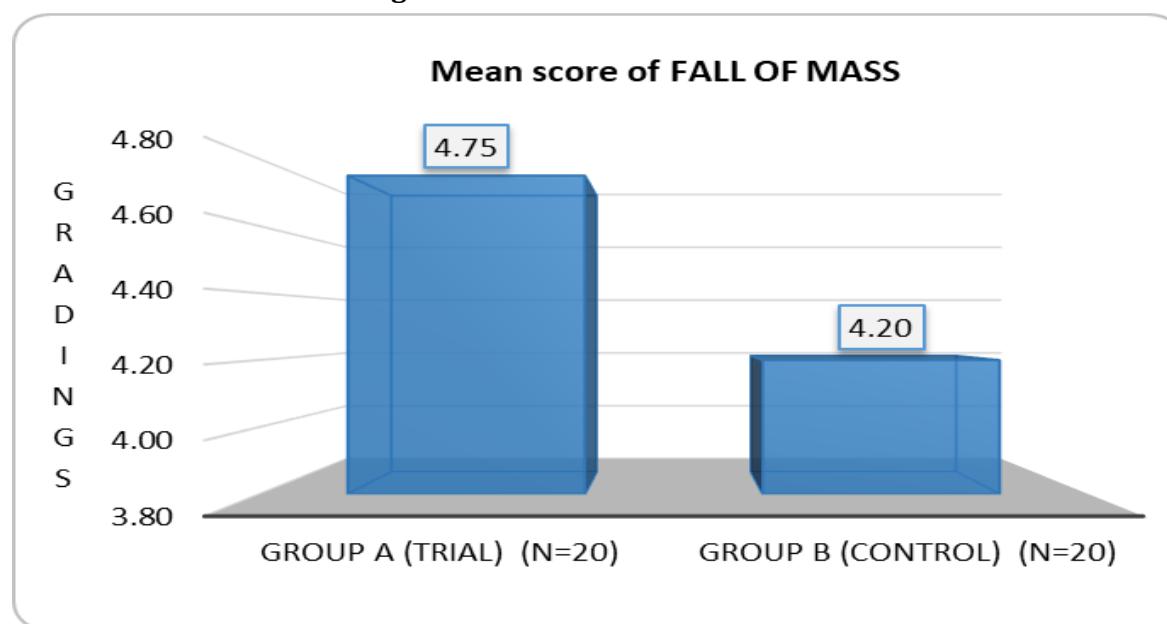
Observations Recorded on	Descriptives			Mean Diff. & (% Diff. from pre phase)	Mann-Whitney U				
	Group	Mean Score \pm SD	Median Value		U Statistic	Effect Size	Z	P	Remarks
AF1 -3rd Day	A (n=20)	0.60 \pm 0.50	1.0	0.15 (14.00%)	170	0.15	0.94	0.348 (>0.05)	NS
	B (n=20)	0.45 \pm 0.51	0.0						
AF2 -5th Day	A (n=20)	0.45 \pm 0.51	0.0	0.15 (13.50%)	170	0.15	0.97	0.333 (>0.05)	NS
	B (n=20)	0.30 \pm 0.47	0.0						
AF3 -7th Day	A (n=20)	0.20 \pm 0.41	0.0	0.10 (8.67%)	180	0.14	0.87	0.382 (>0.05)	NS
	B (n=20)	0.10 \pm 0.31	0.0						

Between the groups findings concerning the pruritus ani variable suggests that overall Group B (Control) is almost same as Group A (Trial) by mere difference of 8.67% and mean difference was 0.1 at the last AF3 -7th day phase, with a small effect size of $r=0.14$ result. Then the Mann-Whitney U Test analysis suggests that there is no significant difference between Groups A and B in terms of their respective reductions in pruritus ani for all phases like AF1 -3rd day, AF2 -5th day and AF3 -7th day. The p-values above the conventional threshold of 0.05 indicate a lack of statistical significance, implying that the observed variations in pruritus ani reduction between the two groups are likely due to chance rather than meaningful differences.

Objective Parameter**Assessment of Fall of Mass****Table 8: Comparisons Between Group A (Trial) with Group B (Control) in Fall of Mass**

Groups	Mean Score \pm SD	Median Value	Mean Diff.	Grade wise frequency with percentage distribution
Group A (Trial) (n=20)	4.75 \pm 0.97	5.0	0.55	3 Grade (n=2 (10%)); 4 Grade (n=6 (30%)); 5 Grade (n=7 (35%)); 6 Grade (n=5 (25%)); 0
Group B (Control) (n=20)	4.20 \pm 1.11	4.0		3 Grade (n=7 (35%)); 4 Grade (n=5 (25%)); 5 Grade (n=5 (25%)); 6 Grade (n=3 (15%)); 0
Mann-Whitney U test				
Groups Comparison	Effect % Diff.	U Statistic	Effect size	Z Test Statistic
Group B (Control) effective > Group A (Trial)	11.6%	142	0.26	1.62
				0.121 (>0.05)
				NS

Between the groups findings as shown in Figure-2 suggests that overall Group B (Control) is slightly better than Group A (Trial) by 11.58%. But the Mann-Whitney U Test analysis suggests that there is no significant difference between Group A (Trial) with Group B (Control) in terms of their respective reductions in fall of mass. The p-values above the conventional threshold of 0.05 indicate a lack of statistical significance, implying that the observed variations in fall of mass reduction between the two groups are likely due to chance rather than meaningful differences.

Figure 2: Mean score of Fall of mass**Overall Response****Table 9: Overall response**

Response Rates	Response	Group A (Trial)		Group B (Control)		Mann-Whitney U Test	
		Frequency	%	Frequency	%	Test Statistics	Value
(0%-25%)	Poor response	0	0%	0	0%	<i>U</i>	170
(25%-50%)	Mild response	0	0%	0	0%	Effect Size	0.28
(50%-75%)	Moderate response	1	5%	0	0%	<i>Z</i>	1.78
(75%-99%)	Marked response	7	35%	3	15%	<i>P</i>	>0.05 (0.075)
(99%-100%)	Complete response	12	60%	17	85%	Remarks	NS
Total		20	100%	20	100%	NS -non-significant	

The overall response FU -7th day distribution of responses shows that both groups had similar outcomes, with a significant proportion of subjects in both the marked and complete response categories in both the groups Group A (Trial) and Group B (Control). Even though Group B (Control) have slightly more subjects in the complete response category and slightly fewer in the marked response category compared to Group A (Trial). Additionally, Group A (Trial) have groups have 1 subject in moderate response category.

The Mann-Whitney U Test for independent groups, is used to assess the overall differences between the two groups Group A (Trial) and Group B (Control) at the completion FU -7th day phase by considering combined observations of all the subjective and objective parameters between the groups Group A (Trial) and Group B (Control). The findings; test statistic (*U*) is calculated as 170, and the corresponding *Z*-value is 1.78. The *p*-value for this comparison is reported as 0.075, denoting a statistically No-Significant differences between the groups, with a small effect size of *r*= 0.28 result. Hence both the drugs are equally effective with minimal differences in the mean scores observed as shown in Table-4.

Table 10: Comparing Mean Scores of Groups

Parameters	Group A (Mean Score)	Group B (Mean Score)	P Value
Bleeding	0.10	0.00	<0.05
Pain	0.25	0.05	<0.05
Mucoid discharge	0.05	0.00	<0.05
Pruritic ani	0.20	0.10	<0.05
Fall of Mass	4.75	4.20	<0.05

DISCUSSION

The traditional techniques for preparing *Kshara sutra* are detailed by Acharya Chakrapani in his work Chakradutta^[13]. *Kṣhara Sūtra* transligation combines mechanical ligation with chemical cauterization. Mechanistically, the procedure causes gradual vascular compression of the haemorrhoidal pedicle, leading to localized ischemia followed by necrosis of the pile mass^[14]; at the same time, it utilizes the *Lekhana* and *Ruksha* characteristics of *Yava Kshara* to reduce oedema while the *Kapha-hara*^[15] effect alleviates mucous discharge. The *Śodhana* and *Utkleśana* properties inhibits infection and allows gradual sloughing of the hemorrhoidal stump. The *Sīta* and *Guru gunas* reduce excessive inflammation. *Agnideepaka* and *Śighrapaki* also help in subsiding inflammation, while *Ropana* effects of *Kshara*^[16] promote healthy granulation and fibrous adhesion of the mucosa. Collectively, these measures diminish bleeding and discharge, while also fixating the prolapsed mucosa to the anal musculature which helps to decrease the risk of recurrence.

The physio and phytochemical analysis as shown in Figure-3 indicates a dual mode of action. The alkaline and mineral-dense matrix causes debridement in the form of protein denaturation and lipid saponification. This results in tissue necrosis followed by debridement of the necrotic material which aids in achieving adequate haemostasis. Semi-polar phytochemicals such as flavonoids, terpenoids, saponins, alkaloids exhibit antioxidant, anti-inflammatory effects thereby facilitating reduction in microbial load. The fibroblast, keratinocyte, and collagen activity causes tissues contraction leading to fixation of the mucosa and localised tissue repair.

CONCLUSION

Taking account of the effects of the trial drug, it can be concluded that the intrinsic properties of *Yava Kshara* such as *Utkleśana*, *Lekhana*, *Śodhana*, and *Ropana* offer a rational pharmacological basis for its use. Rich in alkaline bioactive constituents, exerts controlled caustic action on pathological tissue, facilitating gradual sloughing of haemorrhoidal mass while simultaneously promoting wound healing. The comparative evaluation of both groups showed improved therapeutic outcomes among participants and the results were statistically comparable. The observed results are derived from procured data analysis and needs further exploration.

REFERENCES

with the commentaries of Sarvagasundra of Arundatta and Ayurveda Rasayana of Hemadri. Edited by Pt. Hari Sadasiva Sastri Navre, Published by Chaukhamba Sanskrit Sansathan Varanasi Reprint 2016.

3. Lohsiriwat V (2012) Haemorrhoids: from basic pathophysiology to clinical management. *World J Gastroenterol* 18(17): 2009-2017
4. SRB'S Manual of Surgery, New Delhi: Jaypee brothers' medical publishers, 7th edition-2023 section 2, Chapter 48, page no.1031
5. Dr.S. Das, A concise Textbook of Surgery, 11th Edition 2020 Chapter 45, page no. 1076, 1077, 1078 11th Edition
6. SRB'S Manual of Surgery, New Delhi: Jaypee brothers' medical publishers, 7th edition-2023 section 2, Chapter 48, page no. 1032, 1033, 1034, 1035
7. Dr. S. Das, A concise Textbook of Surgery, 11th Edition-2020 Chapter 45 Page No. 1079, 1080, 1081.
8. Sushrut Samhita, Nibandha Sangraha Commentary of Shri Dalhanacharya edited by Vaidya Yadavaji Trikamji Acharya, Varanasi, Chaukhamba Sanskrit Sansthana, Reprint 2013, Nidanasthana Chapter no.2, Shloka no. 3, 4, 10, 11, 12., page no. 271, 270, 271, 272, 273
9. Sushrut Samhita, Nibandha Sangraha Commentary of Shri Dalhanacharya edited by Vaidya Yadavaji Trikamji Acharya, Chikitsasthana Chapter no.6, Shloka no.3 Varanasi, Chaukhamba Sanskrit Sansthana, page no.430, Reprint 2013
10. Sushrut Samhita, Nibandha Sangraha Commentary of Shri Dalhanacharya edited by Vaidya Yadavaji Trikamji Acharya, Varanasi, Chaukhamba Sanskrit Sansthana Reprint 2013, Chikitsasthana Chapter no.6, Shloka no.3, page no.430
11. Ayurvedacharya Pandit Harilal Sharma edited by Pandit Parshuram Shastri, Sharangdhar Samhita Madhyam Khand Adhyaya 6-shloka 24-25
12. Dr. J.L.N. Sastry- Dravya Guna Vijnana (Study of Essential Medicinal Plants in Ayurveda) Forward by Prof. K.C Chunekar Chaukhamba Orientalia Varanasi.
13. Shastri Ambikadutta. Sushruta Samhita part-I Ayurveda Tatwa Sandeepika Hindi Commentary. Varanasi; Chaukhamba Sanskrit Sansthana, Varanasi; 2010. Sutrasthana 11/3.
14. Gupta ML, Gupta SK, Bhuyan C. Comparative clinical evaluation of Kshara Sutra ligation and hemorroiectomy in Arsha (hemorrhoids). *Ayu*. 2011 Apr; 32(2): 225-9. doi: 10.4103/0974-

8520.92591. PMID: 22408307; PMCID: PMC3296345.

16. Dudhamal TS. Review of grey literature on Ayurveda wound healing formulations and procedures - A systematic review. *J Ayurveda Integr Med.* 2023 Jul-Aug; 14(4): 100779. doi: 10.1016/j.jaim.2023.100779. Epub 2023 Aug 7. PMID: 37556864; PMCID: PMC10424143.

15. Gadekar S, Taviad K, Kalsariya B. Kshara Kalpana according to Rasatarangini: A textual review. *Int J Ayurveda Pharma Res.* 2025; 13(7): 40-51. doi:10.47070/ijapr.v13i7.3776.

Cite this article as:

Abhinav Sharma, Mahantesh M Salimath, Geetanjali Hiremath. Efficacy of Yava Kshara Sutra Transligation in the Management of Arshas (3rd & 4th Degree Haemorrhoids)- A Randomised Controlled Clinical Study. *AYUSHDHARA*, 2025;12(6):66-75.

<https://doi.org/10.47070/ayushdhara.v12i6.2380>

Source of support: Nil, Conflict of interest: None Declared

***Address for correspondence**

Dr. Abhinav Sharma

PG Scholar

Department of Shalya Tantra,
SJG Ayurveda Medical College,
Hospital, Karnataka.

Email: abhin12390@gmail.com

Disclaimer: AYUSHDHARA is solely owned by Mahadev Publications - A non-profit publications, dedicated to publish quality research, while every effort has been taken to verify the accuracy of the content published in our Journal. AYUSHDHARA cannot accept any responsibility or liability for the articles content which are published. The views expressed in articles by our contributing authors are not necessarily those of AYUSHDHARA editor or editorial board members.

