

Effect of Yonivarti with Abhyantara Chikitsa in Kaphaj Yonivyapad–A Case Study

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Abstract

Health status of women is essential for healthy society. In today's fast and competitive word, there is change in lifestyle of women which lead to their physical & mental stress. Women mostly get affected by this environment and are prone to gynaecological problem. Common health problem in women is white discharge, Foul smelling discharge, itching vulvar region, this all are symptoms of kaphaj yonivyapad .40% of women suffer from this problem but neglect the problem. Dosha involved in kaphaj yonivyapad is Kaphapradhan vata. A Female patient suffering from kaphaja yonivyapad was treated by Panchkashaya yonivarti with Jeerakadi vati .Panchkashaya yonivarti with jeerakadi vati was used to terminate the samprapti of this disease. Yonivarti is a modality of treatment which acts at the site of the disease .This case study is an attempt to evaluate the practicle application of yonivarti with Aabhyantar chikitsa in management of kaphaja yonivyapad.She got excellent relief in symptoms by above treatment.

Keywords

Kaphaj yonivyapad, Shaman chikitsa, Sthanik chikitsa, Yonivarti.

INTRODUCTION

Ayurveda is rich in pharmaceutical preprations but only few preprations are being used in todays Ayurvedic practice because of inconvenient forms. In the management of kaphai yonivyapad many kalpana like yoniprakshalan, yonipichu, yonivarti are mentioned. Nearly 40% of women in reproductive age group suffer from white discharge. Modern treatment includes antibiotics ,antifungal ,antihistaminics,Which give temporary relief. Most common cause of symptomatic vaginal discharge is bacterial vaginosis (33-47%),followed by candidiasis (20-40%) and trichomoniasis (8-10%). These three organisms account for 90% of all the of abnormal vaginal discharges. This study was planned to evaluate the efficacy of panchkashaya yonivarti with jeerakadi vati in kaphaja yonivyapad.

AIM

 To evaluate the efficacy of panchkashaya yonivarti with jeerakadi vati in kaphaja yonivyapad.

OBJECTIVE

- To study and understand the etio-pathogenesis of kaphaja yonivyapad.
- To study the clinical effect of shaman chikitsa with yonivarti in kaphaja yonivyapad.

Case report:

Study center: Parul Ayurveda Hospital, Vadodara Gujarat

Name of patient: XXX Reg OPD No : 21017383 Past treatment history :Vaginal tablets a

• Vaginal tablets and cream

• Oral antibiotics

History of past illness: No any major illness.
History of surgery: No history of surgery
Family history: No any Family history

Menstrual history:

• Age of Menarche: 13 years

 $\begin{tabular}{lll} Reg IPD No & :212402 \\ Date of 1^{st} visit & : $20/8/21$ \\ Region & : Hindu \\ Occupation & : Housewife \\ \end{tabular}$

Chief complain:

- Yonigata shweta srava since 2-3 years.
- Yonikandu since last 3 years.
- Yonidaurgandhya since last 1 year.

Associated Complaints:

• Katishula since 3 years.

HISTORY OF PRESENT ILLNESS:

A 48 years female patient suffering yonigata shweta srava since last 2-3 years was visited the striroga-prasutitantra OPD of Parul ayurveda hospital (PAH). She was suffering from yonigata shweta srava(white discharge p/v) which is mucoid in nature, katishula (Lowerbackache), yonikandu (itching at vulva) since last 3 years. A detailed history of the patient was taken and all required physical and clinical examinations were done. She had taken treatment earlier privately but didn't get satisfactory relief in complaints.



• LMP : 2/8/21

• Menstrual cycle:

Regularity: Regular
Duration: 2-3 days
Interval: 28-30 days
Association of pain: no

Quantity : 2-3 pads/day (Moderate flow)

Not associated with clots and foul smell

4.2 Marital History:

Married since 23 years.

No history of any type of contraception.

Obstetics History:

P4L4D0A0

P1:P2:P3:P4:All FTND at Hospital

Personal history:

Diet : Mixed –veg / nonveg

Dietetic habits : Samasana Rasa Sevana : Madhura, Tikta

Appetite : Poor Bowel : Regular

Micturation : 4-5 times /day ; 1-2 times /day

Kostha : Madhyam
Thirst : Normal
Personal Hygiene : Poor
Sleep : Disturbed
Sexual Life : Satisfactory

General Examination:

 $\begin{array}{lll} \mbox{Height} & : 158 \mbox{ cm} \\ \mbox{Weight} & : 65 \mbox{ kg} \\ \mbox{BMI} & : 26 \mbox{ kg/m2} \\ \mbox{Pulse} & : 80/\mbox{min} \end{array}$

B.P. : 120/80 mm of Hg

R.R. : 18/min Temp : 98.6 F

Tongue : Slightly coated Pallor /cyanosis /Oedema : Absent

Systemic Examination:

RS,CVS,CNS, and GIT- NAD

Astavidha pariksha:

• Nadi = 86/min, madhyama bala

• Mala = Grathita mala pravrutti

• Mutra =Samyak

• Jihva =Saam

Shabda = Avishesh

• Sparsh =Anushna

Druka =Panduvarna

• Akruti = Sthul

Per abdomen Examination:

- Abdomen was soft, No organomegaly

No tenderness present .

Per speculam: white discharge +++, cervix Inflammed **Per vaginal examination**: ut RV/Mobile fornicis nontender

Investigation (23/8/2021)

• CBC : wbc:6900 /cumm

Hb:9.0 g/dl

Rest: within normal limit

ESR: 45 mm

Urine routine micro: Pale yellow in colour, clear,
 P.H.:6.0 Sp G: 1.015, Protein: Nil, Blood: Nil, pus cell
 :2-3 / HPF

• Vaginal swab culture (21/8/2021): the smear shows moderate puss cell & no organism.

Samprapti ghatak:

Dosha: kaphapradhan vata Dushya: rasa ,mansa

Srotas: rasavaha, aartavavaha

Srotodushtiprakara: Atipravrutti, vimarg gaman

Marga : abhyantara Agni : Mandagni Aam : Sama

Udbhava sthana :pakvashaya

Vyaktasthana: Yoni

Samprapti:

The prakruti of patient being vata – Kaphapradhan.



She was predisposed to Kapha -vataprakopa Hetusevan like



Aaharajanya nidana- Ruksha Annapan(Dry foods), ,Aniyamita Ahara sevana (Irregular food habits),Dadhi sevan Viharajanya Nidana- Diwaswap (Day sleep), Poor vaginal Hygine



All this Nidans lead to Kha-vaigunya in trayavarta yoni



Yoni Dushti in the form of inflammation presenting as mucoid white discharge per vagina ,ithching per vagina , Foul smelling Discharge and Backche .

Shweta Strava (Vaginal White Discharge)

0 - No vaginal discharge □

1 - Mild - Occasionally wetting undergarments /slight discharge, vulva moistness \square

2 - Moderate discharge, wetting of under

3 - Severe - Heavy discharge which needs Vulva pads

Katishoola (Backache) □



\sim	T T		
0 -	No	pain	

- 1 Mild Can withstand pain & Can manage routine work.
- 2 Moderate Cannot manage routine work & Need to take rest. \square
 - 3 Severe Cannot withstand pain & bed ridden.

Yoni Kandu (Itching of vulva) □

- 0 No itching □
- 1 Mild − Slight rub. □
- 2 Moderate − Instant rub causing redness. □
- 3 Severe Continuous rub causing redness.

Durgandha (Odour) □

- 0 Absent \square
- $1 Mild \square$
- $2 Moderate \square$
- 3 Severe

Intervention:

Sthanika chikitsa:

- Yoni prakshalana with luke warm water .
- Yonivarti

Method of yonivarti:

Poorvakarma:

- Counselling was done.
- Written consent was taken.
- Shaving and part prepration.
- Patient was advised to empty the bladder.
- Instrument trolley was prepared.
- Yoni prakshalana with luke warm water done.

Pradhana karma:

- Private part was cleaned antiseptically.
- Sim's speculum was inserted; Anterior vaginal wall retractor was introduced to expose the cervix.
- Prepared varti was introduced to endocervix.
- Instruments was removed out.

Paschat karma:

• Patient was monitored for 30 minutes after the procedure.

Safety precautions:

 Instruction was given to patient to avoid sexual intercourse, heavy work, journey,etc,. during and for 7days after the procedure.

	Sthanika Chikitsa	Abhyantara Chikitsa
Drug	Panchkashaya yoni varti	Jeerakadi vati
	(vacha ,vasa , patol, priyangu ,nimba)	Jeerak, Krishna-jirak,
	(for external use)	Pippali,Karvellak,Vacha,Vasa,
		Saindhava, Yavakshara, Yavanika
Dose	3 gm	500mg 1 vati BD A/F
Duration	7 Days	7 Days
Follow up	8 th day	

Pathya-apatya: She was advised to follow the follow Ahara-Vihara Pathyas as follows

Ahara 1. Drink plenty of water.

- 2. Eat fibrous diet, fruits, green vegetables.
- 3. Garlic, meat soup, rice water

- Vihara 1. Keep the area clean and dry.
 - 2. Maintain personal hygiene.
- 3. Wash the garments in boil water and Dettol and then dry it in sunlight.

OBSERVATION / RESULT:

Day	Date	Treatment given	Observation		
1	20/08 /2021	1. Panchakashaya yonivarti F/b	• Mucoid white discharge P/v +++		
		sukhoshna jalaprakshalan	• Itching p/v +++		
		2. Jeerakadi vati 500mg 1 vati BF BD	Foul smellind discharge +++		
			Backache +++		
3	22/08 2021	Same as above	Mucoid white discharge P/v +++		
			• Itching p/v ++		
			Foul smellind discharge ++		
			Backache +++		
5	24/08/2021	Same as above	• Mucoid white discharge P/v ++		
			• Itching p/v +		
			• Foul smellind discharge +		
			Backache ++		
7	26/08/2021	Same as above	No Mucoid white discharge P/v		
			• No Itching p/v		
			No Foul smellind discharge		
			Backache +		



On last day her all symptoms were reduce like white discharge p/v, Itching p/v, Foul smelling discharge , Backache . Panchkashaya yonivarti use in therapy has cleaned washed out the secretions and discharge of vagina .Varti helps medicine to remain for longer period for better action it diminishes the chance of infection in genital tract .



reduced. She has followed schedule of yonivarti followed by sukhoshna jala prakshalan and jeerakadi vati (500mg)B/F with sukhoshna jala orally with pathya apathya palana. It was observed that symptoms were gradually reduce. At every follow up we observed reduction in symptoms. After 2 month patient come to OPD for another complaints, she reported that she didn't suffered from previous complaints again. Follow up wise decrease in symptoms is shown in Table below.

The kaphaja yonivyapad is mainly due to vata –kaphakar hetusevan .This disease can be cured mainly by observing hygiene. Personal Hygiene is very important for every woman. In this patient the kaphaja yonivyapad deals with the vitiation of vata and kapha dosha ,Pancha kashaya yonivarti and Jeerakadi Vati having specially vata-kaphahar properties by which it breaks the samprapti.

Panchkashaya yonivarti: दुर्गंधा पिच्छिला वाड़िप चूरणे पंचककषायजे: । पंचककषायज:= वचा वासा पटोल प्रियंगु निम्ब: । (bhav.ma.kha. chi.70/46)

DISCUSSION

Patient was treated till the symptoms get completly

Name	B.N.	Family	Part use	Rasa	Guna	veerya	Vipa k	Karma
1.vacha (1 part)	Acorus calamus	Acoraceae	Rhizome	Katu,tikta, kashay (anu)	Laghu , ushna	ushna	katu	Kapha vathar
2.vasa	Adhatoda	Acantheceae	leafe	Tikta,	Laghu	sheeta	katu	Kapha
(1 part) 3.patola	vasika Trichosanthes	Cucurbitaceae	fruit	kashaya Tikta,	,ruksha Laghu,ru	sheeta	Katu	pitta har Kapha
(1 part) 4.priyangu	dioica Calicarpa	Verbenaceae	root	Katu Tikta,kashaya	ksha Laghu,	Sheeta,	katu	pittaghna Tridosha
(1 part)	marcophylla	,		,madhur	ruksha	katu		shamak
5.nimba (1 part)	Azacardia indica	Maliaceae	leafe	Tikta, kashay	Laghu ,ruksha	sheeta	katu	Pittahara

- Vacha: Vatahara, Kaphahara, Krimihara
- antibacterial activity of acoruscalamus against Escherichia coli, Staphylococcus aureus, and Candida albicans have been studied. (11) Antibacterial effect of Acorus calamus extractions against gram positive and negative bacteria have been studied (12)antifungal activity demonstrated by Pratibha raval.(13)
- *Vasa*: The plant contains alkaloids such as Vasicine, vasicinone, deoxyvasicine, vasicol, adhatodinine, and vasicinol Other constituents include vitamin C, saponins, flavonoids as well as steroids, and fatty acids. Vasicine is reported to have uterine stimulant effects. Vasicine acetate showed antimycobacterial activity; the high phenolic content of essential oils contributes to their antimicrobial properties .(14),(15)
- Patola: Vranasodhana, Vrana ropana
- Antifungal activity Hariti and Rathee have stated that the fixed oil of seeds of Trichosanthes species including T. dioica has antifungal property.[16] Antibacterial

activity Hariti and Rathee have showed antibacterial activity of the unsaponifiable fraction of the fixed oil of T. dioica seeds against Bacilus anthracis and Xanthomonas malracearum. [17] T.dioica has been reported to have Chemo Preventive Property. The Chemo Preventive Property of T.dioica was studied by Sanjib S Bhattacharya, Pallab Kanti P K Haldar.(18) Bhattacharya S,Haldar P K.. studied Protective role of triterpenoid enriched extract of Tdioica root against experimentally induced pain and inflammation in rodents.(18) *Shivhare et al.* reported the wound healing potential of methanolic (MeOH) extract of *T. dioica* (19)

- Priyangu: Daurgandhyahara, Vrana ropan
- callicarpa macrophylla contains diterpene, diterpenoid, 3b, 16a, 17-trihydroxy-phylloclad ane, flavonoids. having antimicrobial and anti inflammatory property.
- Nimba: Vrana, Kushta, Krimiroga, Visaroga
- The most important active constituent is azadirachtin



and the others are nimbolinin, nimbin, nimbidin, nimbidol, nimbanene, nimbandiol, nimbolide, nimbiol, sodium nimbinate, 6- desacetylnimbinene, gedunin, salannin, quercetin, ascorbic acid, amino acids, n-hexacosanol, ß-sitosterol, 7-desacetyl-7-benzoylazadiradione, 7-desacetyl-7-benzoylgedunin, 17-hydroxyazadiradione, polyphonolic, flavoroside, Norm, constituents, having

polyphenolic flavonoids. Neem constituents having antibacterial, antifungal, antimalarial, antiviral, antihyperglycemic, antiulcer, antioxidant,

anticarcinogenic and other biological activities.

Jeerakadi vati:

• जीरक द्वितय कृष्णा सुषवी सुरभिर्वचा । वासक: सैन्धवश्च अपि यवक्षार यवानिका । । एषा चूर्ण घृते किंचिद भृष्टवा खण्डेन मोदकम । कृत्वा खादेध्य अथवा विह्न योनिरोगादी विमुच्यती । । (भ। प म. योनिरोग 70 /49)

antihypergly		· · · · · · · · · · · · · · · · · · ·	tioxidant,	T				
Name	B.N.	Family	Part use	rasa	Guna	Veerya	vipak	Karma
1.jeerak (1 part)	Cuminum cyminum	Umbelliferae	Seed	katu	Laghu ,ruksha	Ushna	Katu	Kapha vathar ,pittakar
2 . Krishna jeerak (1 part)	Carum carvi	Umbelliferae	Seed	katu	Ruksha	Ushna	Katu	Kapha har
3.pippali (1 part)	Piper longum	Piperaceae	Fruit	katu	Laghu, Tikshna	Ushna	Madhur	Vat kapha har
4.karvellak (1 part)	Momordia churantia	Cucurbitaceae	Pancha ng	Tikta, katu	Laghu ,ruksha	Ushna	Katu	Pittagna
5.vacha (1 part)	Arocus calamus	Acoraceae	rhizom e	Katu, tikta	Laghu ,tikshna	Ushna	Katu	Kapha vatghna
6.vasa (1 part)	Adhatoda vasika	acantheceae	Leafe	Tikta , kashaya	Laghu , ruksha	Sheeta	Katu	Kapha pitta har
7.yavani (1 part)	Carum roxburghinu m	Umbelliferae	Seed	Katu, tikta	Laghu, ruksha, tikshna	Ushna	Katu	Kapha vathar

- 1. Jeeraka:
- Vatakapha saman ,Deepan-Pachana,Vatanuloman ,Shulaprashaman, Krumighna ,Garbhashaya – vishodhana.
- Cuminum cyminum contained: alkaloid , coumarin, anthraquinone, flavonoid, glycoside, protein, resin, saponin, tannin and steroid.
 Cuminum cyminum having antimicrobial, anti-inflammatory, analgesic, antioxidant, anticancer, antidiabetic, antiplatelet aggregation, hypotensive, bronchodilatory, immunological,

- contraceptive, anti-amyloidogenic effects(21)
- 2. Krishna jeeraka:
- Daurgandhyahara ,Rochana,Deepan,Pachana,Garbhashaya sodhana
- carum carvi contain mainly carvacrol, carvone, α-pinene, limonene, γ-terpinene, linalool, carvenone, and *p*-cymene.
- The antibacterial activity of carvacrol (5-isopropyl-2-methylphenol) is amply documented in various experimental studies(22)
- Monoterpenes like anethofuran, carvone, and limonene occurring in cumin and caraway oil



have specifically been highlighted for anticarcinogenic action.(23)

 An aqueous and an ethanolic extract of caraway seeds produced significant antifertility effect via modulation of follicle stimulating hormone (FSH) and leutinizing hormone (LH) levels, while the estrogen levels were increased. (24)

3.Pippali

:Vatahara, Kpahahara, Rasayan, Krimi, Kustha, Sula

- fruits contain the alkaloid piperine,
- various studies proven the antiinflamatory ,antiamoebic,antibacterial activity (25)(26)(27)
- . 4. Karvellak : Vatahara, Kaphahara, Bhedi,Kustha ,krimiroga
 - The fruits and leaves contain alkaloids, glycoside, saponin-like substances, resin, an aromatic volatile oil and mucilage. Reports also show that the plant has anti-tumor and anti-HIV activities. (28)

5. Vacha : Vatahara, Kaphahara, Krimihara

6. Vasa : Kaphapittahara,

7. Saindhava :Tridoshanashak, Avidahi

 Agnideepana, Pachana, Ruchya, Netriya, Hridya, Vrishya

8. Yavakshara: Tridoshanashak, Avidahi

9.Yavani :Rochana, Deepan, Pachana, Vatanuloman, Krimighna

• Compounds found in Carum roxburghianum were α-pinene (0.42%), β-pinene (0.15%), myrcene (0.22%), Δ-carene (3.27%), limonene (16.43%), α-terpinene (1.44%), thymol (3.61%), linalool (1.07%), carvacrol (14.68%), carvone (2.29%), 1-cadinene (0.14%), β-elemene (0.99%), α-humulene (1.27%), elemol (38.56%) and cadinol (14.42%). The percentage of unidentified

- components was (0.93%).
- C. roxburghianum was very active against bacteria and yeasts(29)
- The antimicrobial activity of essential oil of Carum roxburghianum were carried out and the oil showed antimicrobial activity against two gram positive, two gram negative bacteria and four fungi.(30)
- Jeerakadi modaka mentioned by Bhavaprakasha contains Swetajeerak, Krishnajeerak, Pippali, Karvellak, Vacha, Vasa, Saindhavalavana, Yavakshara, Yavanika. All the ingredient having mainly katu, tikta rasa ,laghu,ruksha guna and ushna veerya .It has vedanaasthapana, vatahara, anulomanaand rasayanaproperties.

The drugs vacha ,vasa, patola, priyangu, nimba has been used in yonivarti .

all the dravya having tikta Kashaya rasa ,laghu ruksha guna and katu vipak due to its ruksha guna it is Kapha samak .By going through each ingredient's rasa, guna, virya, vipak, prabhava and karma, we came to know that each and every ingredient has the property of vata and kapha saman individually. Insertion of yonivarti is a practical procedure which is performed by the disinfectant and medicated yonivarti . Yonivarti are meant for insertion into vagina, for the purpose of removal of accumulated dosha at local site, for reducing vaginal discharge, Foul smell and Pain. It is one of the upakrama of sthanika chikitsa in Ayurved . Panch kashaya yonivarti having properties like vrana sodhana, kledahara, krimighna, kandughna is selected. The sthanika chikitsa used as the mode of treatment has helped in local cleanliness and prevention of further infections by the micro-organism invasion .It had given the natural antibiotic effect without any side effect.

sr No	Assesment Criteria	Day 1	Day 8	Day 16	After one month
1	Sweta strava	3	2	1	0
2	Katishula	2	1	1	0
3	Yoni kandu	2	1	0	0
4	Yoni daurgandhya	1	0	0	0

CONCLUSION:

- Thus we can conclude that the holistic approach of Ayurvedic system of medicine & sthanik chikitsa with abhyantara chikitsa plays an important role and gives relief to patient.
- Personal hygiene and healhty dietary regimens are

helpful to prevent vaginal infection.

• The drugs which are having predominance of kashaya rasa, kapha shamak, ruksha and ushna should be used in treatment of kapaja yonivyapad.

Panchkashaya yonivari with jeerakadi vati was found effective in kapaja yonivyapad.



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