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ASSESSMENT OF ANTIKI CRITERIA OF VIRECHANA BY ICCHABHEDI RASA IN 26 PATIENTS OF PSORIASIS KATOLE HARSHAPRABHA¹ CHANDALIYA SACHIN²

ABSTRACT

Virechana is one of the *shodhana* procedure which eliminates the vitiated humours through anal route. Assessment of *virechana* is done with the help of four assessment criteria mentioned in the classics. These criteria are *vaigiki, maniki, antiki and laingiki. Antiki* criteria is said to be the indicator for ending the procedure of *virechana*. Therefore, being an important criterion for assessment, in the present study total 26 patients of Psoriasis were treated with *virechana* with *ichchabhedi rasa* in common and they were assessed for the signs of *antiki* criteria. The present study evaluates whether *antiki* criteria affects the results expected in the pacification of the disease or not, whether this criterion has the importance only in assessing the procedure or also the outcome of the procedure.

Keywords: Virechana, Antiki criteria, Assessment, psoriasis

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INTRODUCTION:

The process of evacuation i.e. *Virechana* is the most practiced amongst all the *shodhana* procedures. It eliminates the humours (*doshas*) from the lower part of the body ^[1] with less complications and feasibility of being conducted in an easy way might be the reason for it being most practiced. To practice *virechana* successfully, one should understand the status of the procedure and also the indicators explaining the completion of it. The status of the procedure is an indicator of it being administered properly and predicting the outcome. The indicators that explain the completion of the procedure might help us to predict the results that directly influence the status of the disease.

To assess the completion of the procedure, three types of criteria are explained in the classics i.e., Avara shuddhi (Minimum type of cleansing), Madhyama shuddhi (Moderate type of cleansing) and Pravara shuddhi (Maximum type of cleansing) ^[2]. Acharya Sushruta have also mentioned the criteria explaining the signs and symptoms for assessing Virechana, these are Heena yoga (Inappropriately administered Purgation therapy), Samyaka yoga (Appropriately administered Purgation therapy) and Atiyoga (Excessively administered purgation therapy) ^[3]. To be more precise and convenient in assessing the virechana keenly, shuddhi is being divided into four criteria namely Antiki, Vaigiki, Maniki & Laingiki^[4]. To evaluate the nature, ability and the quality of Virechana one has to gain the proper knowledge of the above-mentioned criteria. Gathering and discussing the information from multiple and

diverse sources explained by Chakrapaani help us in developing the deep understanding and knowledge of each and every aspect of *Virechana*.

The features which explain that the procedure has reached to the end are said to be *Antiki lakshanas*. For proper *virechana* the sequence should be mala followed by *pitta* succeeding *kapha* and at the end *vata* ^[5]. The *samyaka virechana* procedure should end with the appearance of bouts of *kapha* in the *vega* ^[6]. While Sushruta mentioned *mutra- purisha- pitta-aushadha- kapha* as *antiki* products to be observed ^[7]. Acharya Vagbhata also mentioned that for appropriately administered *virechana, kapha* should be the end product ^[8]. Hence, *kapha* should be the end product for proper *virechana* as mentioned in the classics.

AIM:

To assess the antiki lakshanas of virechana.

OBJECTIVES:

- 1. To assess the *antiki* and *maniki* symptoms.
- 2. To evaluate the importance of *antiki shuddhi*.

MATERIAL METHODS:

For this study 26 patients of Psoriasis were selected from the OPD and IPD of Department of Panchakarma, Shri Ayurveda Mahavidyalaya, Nagpur. These patients were properly examined and assessed for the disease. They were well informed about the treatment procedure and the informed consent of the patients were taken before going for the treatment.

Inclusion criteria: -

Subjects fulfilling the following conditions will be included: -

- Subjects fulfilling the eligibility criteria for *virechana* i.e. *Virechanarha*.
- Subjects with classical *lakshanas* of *Ekakushtha* (Psoriasis) and clinical features of Psoriasis.
- Subjects between age group 16 to 60 yrs.
- All types of Psoriasis.

Exclusion Criteria:

Subjects with following condition will be excluded-

- Subjects NOT fulfilling the eligibility criteria of virechana (viechana anarha)
- Ekakushtha (Psoriasis) with extra cutaneous manifestations.
- Patients with other systemic disorder which interfere with the treatment.

Standard Operating Procedure: -

Poorvakarma:

1. Snehapana– Snehapana was done with Panchatikta Ghrita and Goghrita according to the koshtha of patients till the appearance of Samyak Snigdha Lakshanas (3-7days). Koshtha Parikshana was done.

2. *Abhyanga* & *Swedana*–3 days prior to the date of *Virechana* and on the day of *Virechana* was done.

3. During these three days patient was asked to take a diet having light properties, hot in temperature and oleos in nature.

4. Snehana & kutisweda. -On the day of Virechana.Pradhanakarma:

1. Patient was assessed for vitals, i.e. blood pressure, pulse, temperature.

2. Two tablets of *Icchabhedi rasa* was given in the morning between 10am – 12 pm to the patient.

3. Patient was provided 1.5 liters of *virechanopaga kashaya* & was asked to drink it in the quantity of 100- 250 ml, during the process of *virechana* with certain frequency. The frequency & the quantity were decided as per need based on the nature of *vegas*, expulsion of *doshas* and strength of the patient.

4. The process was continued till the signs of *Samyaka Virechana lakshanas* (Signs of Appropriately administered purgation therapy) were observed.

Each hour patient was assessed for vitals, i.e.
 Blood pressure, temperature & pulse.

6. Patient was asked to remain on empty stomach till the process completes, only water was allowed for the intake.

7. Patient was assessed for the complications if any.

Pashchaat karma:

 After the appearance of Samyaka virechana lakshanas (symptoms of properly administered Purgation therapy), Virechana process was stopped.

2. Patient was then assessed for complications if any as well as vitals.

3. Patient was asked to wash his face, hands & feet and was asked to take a rest for 1 *muhurta*. Then the *peya* was suggested as a food intake.

4. According to the *Shuddhi* patient was advised *Samsarjana krama*.

For Avarshuddhi patient was advised
 Samsarjana containing 1 annakala with peya, vilepi
 yusha, i.e. for 3 days.

6. For Madhyama shuddhi patient was advised Samsarjana krama containing 2 annakalas with

peya, vilapi, akrutayusha, kurtayusha etc. i.e. for 5 days

7. For *Uttama shuddhi* patient was advised with *Samsarjana karma* containing 3 *annakalas* with *peya, vilepi, akrutayusha, kurtayusha* etc. i.e. for 7 days.

After completion of *virechana* these patients were divided into two groups i.e. Group A having *kaphanta virechana* and Group B having *virechana* end product other than *kapha*.

RESULTS & OBSERVATIONS:

			Initiation	End of	Total duration	Vega	Antiki (nature of	Laingiki criteria
No.	Ichchabhe	kashaya	of vega	vega	of virechana	S	end product of	(associated signs
	di	given					virechana)	and symptoms
								immediately around
								the end of
								virechana
								procedure)
Grou	p A – Patients	s with <i>Kaphaı</i>	nta virechan	а			I	
1	10:35 AM	11:38 AM	12:44	6:25	5 hrs 40 Min	7	Shwetabh Pichchil	Agnideepana,
			PM	PM			malapravrutti	Angalaghavata,
								Utsaaha,
								Indriyaprasadana
2	12:45 PM	1:45 PM	12:45	9:00	8 hrs 15 min	15	Shwetabha	Agnideepana,
			PM	PM			pichchila	Angalaghavata,
							malapravrutti	Utsaaha,
								Indriyaprasadana
3							Shwetabha	Agnideepana,
	11:48 AM 12:3	12.20 014	2:30 PM	10:00	F hrs C min	hrs 6 min 12	pichchila	Utsaaha,
		12.50 FIVI		PM	5 1115 0 11111		malapravrutti,	Angalaghavata,
							Aushadha	Indriyaprasadana
4							Shwetabha	Agnideepana,
	10:30 AM	11:00 AM	11:35	5:41	10 hrs 25 min	18	pichchila	Utsaaha,
	10.50 Alvi	11.00 Alvi	AM	PM	10 113 23 11111	10	malapravrutti,	Angalaghavata,
							Aushadha	Indriyaprasadana
5	11:30 AM	12:00 PM	12:50 PM	4:40 PM	2 hrs 50 min	6	Shwetabha pichchila malapravrutti	Utsaaha, Agnideepana

Table no. 1: Details of Virechana data

6							Shwetabha	Agnideepana,
	10:10 AM	10:30 AM	10:20	8:30	10 hrs 20 min	19	pichchila	Utsaaha,
	10.10 AW	10.50 AIVI	AM	PM	10 1115 20 11111	19	malapravrutti,	Angalaghavata,
							Aushadha	Indriyaprasadana
7							Shwetabha	Agnideepana,
	10:38 AM	11:10 AM	13:41	19:35	5 hrs 54 min	13	pichchila	Utsaaha,
							malapravrutti	Angalaghavata
8							Shwetabha	Agnideepana,
	10:00 AM	10:45 AM	10:55	7:30	8 hrs 35 min	10	pichchila	Utsaaha,
	10.00 AW	10.45 AW	AM	PM	8 113 35 1111	10		Angalaghavata,
							malapravrutti	Indriyaprasadana
9							Shwetabha	Agnideepana,
	11.45 0.04	12:45 PM	1:50 PM	7:50	6 hrs	10	pichchila	Utsaaha,
	11:45 AM	12:45 PIVI	1:50 PIVI	PM	01115	10		Angalaghavata,
							malapravrutti	Indriyaprasadana
Grou	p B: - Patients	s with no <i>kap</i>	hanta virec	hana		·		
1	10.30 am	11:00 AM	1:00 PM	5:00	5 hrs	5	Peeta varni mala	
				PM			pravrutti	Angalaghavata,
							(kashayasannibha	Agnideepana
							ma)	
2	10:51 AM	11:30 AM	12:48	6:45	5 hrs 57 min	10	Peeta varni mala	Agnideepana,
			AM	PM			pravrutti	Angalaghavata,
								Utsaaha,
								Indriyaprasadana
3	11:00 AM	11:30 AM	12:20	9:10	5 hrs 50 min	6	Peeta varni mala	Agnideepana,
			PM	PM			pravrutti	Angalaghavata,
								Utsaaha,
								Indriyaprasadana
4	10:45 AM	11:40 AM	12:15	7:15	19 hrs	13	Peeta varni mala	Agnideepana,
			PM	AM			pravrutti,	Angalaghavata,
							Aushadhi, Vata	Utsaaha,
								Indriyaprasadana
5	10:30 AM	11:45 AM	11:30	10:00	10 hrs 30 min	11	Peeta varni mala	Agnideepana,
			AM	PM			pravrutti	Utsaaha,
							(kashayasannibha	Angalaghavta
							ma)	Angulaghavia

6	11:00 AM	11:30 AM	11:20	11:30	12 hrs 10 min	17	Kashayasannibha	Agnideepana,
			AM	PM			та	Utsaaha,
								Angalaghavta
7	10:32 AM	12:00 PM	12:30	8:45	10 hrs 45 min	10	Peeta varni mala	Agnideepana,
			РМ	PM			pravrutti	Angalaghavta
8	10:35 AM	11:15 AM	11:25	6:50	7 hrs 30 min	12	Kashayasannibha	Agnideepana,
			AM	PM			та	Angalaghavata,
								Utsaaha,
								Indriyaprasadana
9	12:15 PM	1:00 PM	1:55 PM	9:45	7 hrs 50 min	7	Kashayasannibha	Agnideepana
				PM			ma	
10								Agnideepana,
		11:15 AM	1:10 PM	10:19 PM	9 hrs 59 min		Kashayasannibha ma	Utsaaha,
	10:45 AM					13		Angalaghavata,
								Indriyaprasadana
11	10:30 AM	11:30Am	11:40 AM	9:45 PM	10 hrs 55 min	17	Kashayasannibha	Agnideepana,
							та	Angalaghavta
12								Agnideepana,
	11:15 AM	11:30 AM	12:25 AM	5:00 PM	5 hrs 35 min	12	Kashayasannibha	Utsaaha,
							та	Angalaghavata,
								Indriyaprasadana
13	11:20 AM	11:35 AM	1:20 PM	6:10 PM	5 hrs 50 min	10	Peeta varni mala	Agnideepana,
							pravrutti	Angalaghavta
14			12.00	40.00			Kaabauaaaaikk	Agnideepana,
	11:00 AM	11:40 AM	12:00	10:30	10 hrs 30 min	13	Kashayasannibha	Angalaghavta,
			PM	PM			та	Utsaaha
15				6:15p			Peeta varni mala	
	11:30 AM	12:10 PM	1:20 PM	m	4 hrs 55 min	5	pravrutti	Agnideepana
16								Agnideepana,
	10:30 AM	11:00 AM	11:58 AM	9:58 PM	9 hrs	15	Kashayasannibha	Utsaaha,
							ma	Angalaghavata,
								Indriyaprasadana
17								Agnideepana,
	11:00 AM	11:15 AM	12:10 PM	8:00 PM	7 hrs 50 min	8	Kashayasannibha ma	Angalaghavta,
								Utsaaha

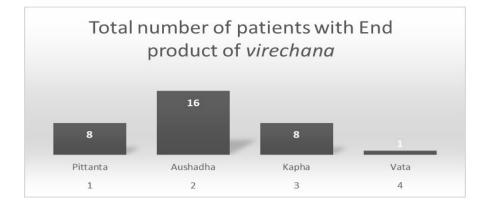
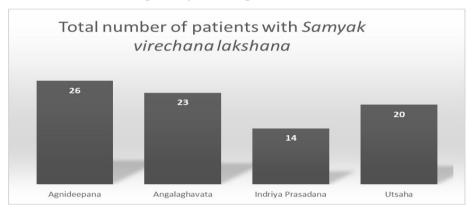


Fig. 1 Graph showing Antika Shuddhi





The above table states the time of Virechana kalpa i.e. two tablets of Ichchabhedi rasa was administered to the patient, the time of virechanopaga kashaya got administered, the time of initiation of vega, the time of last vega and the duration of virechana with the end product. The average time for initiation of the process was within 2 - 3 hours after the administration of virechana kalpa. The average time of duration of virechana was about 8 hrs. 16 min. It is stated in the classics that the Virechana should be kaphanta. But, it was observed that in maximum number of patients (i.e. 16) Aushadhi was the end product observed. Equal number of patients (i.e. 8 each) had pittanta as well as kaphanta virechana. Vata as an end product was observed only in one patient.

Here, the term *kaphanta* is considered to express the nature of the stool at the end of procedure. Expulsion of *kapha* during *virechana* is generally observed as the expelled material having the nature of *pichchila* (sticky) with whitish or creamish tinge (*alpa shwetabh varni*) & semisolid consistency. Sometimes instead of *kapha*, the material having the nature of medicines i.e. *Aushadhi* arrives during the end of the procedure (*kashaya sannibhamadrava mala pravrutti*). In all the patients the end of the *vegas* was observed on its own.

Laingiki criteria in virechana is defined as the signs and symptoms of virechana present after the proper completion of virechana (samyak virechana). It can be classified into two broad categories as

- Signs and symptoms immediately after virechana (sroto vishuddhi, indriya Prasad, laghutvam) and
- Signs and symptoms after completion of samsarjana karma (oorjou agni, anamayatvam).

DISCUSSION:

To assess the outcome of shodhana, three types of shuddhis (nature of purification) have been mentioned in the classics i.e. avara, madhya and pravara shuddhi. Acharya Chakrapaani again divided these into four types making it more tranguil to assess. Only vega (the frequency of passage of stools) or mana (quantity of expelled material) or antiki lakshana (end point of virechana) might mislead in determining the correct assessment of purification. He mentioned that within all the four criteria, Laingiki criteria is the best one ^[9]. But he also stated that Laingiki shuddhi with kapha as an end product in virechana should be taken into consideration here. Same has been stated by Dalhana that laingiki shuddhi should be taken into consideration including kaphanta as end point of virechana ^[10].

Antiki criteria in virechana is defined as the nature of mala or the expelled products around the end of virechana procedure. This is explained in sequential manner also during the explanation of proper signs and symptoms of appropriately administered purgation therapy (*samyak* virechana). So, some scholars don't consider separate antiki criteria as such and merge it with *laingiki* criteria ^[11]. But for better understanding of virechana procedure, it is wise to assess the antiki criteria separately. So, it is considered as separate criteria in the present study and evaluated accordingly. After observing the above results, it was seen that *kapha* is not always the end product. *Aushadhi* was seen to appear in most of the patients. Sushruta Acharya mentioned *mutrapurisha- pitta- aushadha- kapha* as sequential products to be observed ^[12].

Why *kaphanta* might be the end point? The sequence indicates that once pitta stops getting expelled and *kapha* starts getting out through *virechana* procedure. It indicates that the main purpose of expulsion of pitta is achieved.

Bile is secreted by the liver normally between 600 and 1200 ml / day. (A) It plays an important role in fat digestion and absorption because of bile acids in the bile, that aid in the transport and absorption of the digested fat end products to and through the intestinal mucosal membrane. (B) About 80 percent of the cholesterol synthesized in the liver is converted into the bile salts which in turn are secreted into the bile.

(i) The active chemical medium of the liver is well known for its ability to detoxify or excrete into the bile many drugs including sulfonamides, penicillin, ampicillin, erythromycin.

(ii) In a similar manner, several hormones secreted by endocrine glands are either chemicaly altered or excreted by liver including thyroxine and essentially all the steroid hormones such as estrogen, cortisol and aldosterone.

(iii) Finally one of the major routes for excreting calcium from the body is first secretion by liver into bile and then passage into the gut and loss in the faeces.

Thus, Bile serves as means for excretion of several important "waste products" from "the blood". Here, one may recall the "Snehapana" done by an individual before proceeding towards the main Karma. This Snehapana, consumed in an excessive quantity, may lead to the collection of excessive cholesterol in the liver cells in which the waste products and denatured material already processed in the liver, may be transferred which further by the act of vomiting or act of purgating may be thrown out of the body.

Symptoms of proper virechana are sroto vishuddhi (Clarity of channels), indriya prasad (Clarity of sense organs), laghutvam (Lightness), oorjou agni (Increase in biological fire), anamayatvam (Free from disease).

1. Sroto Vishuddhi: - Srotasa is the course or current of nutriment in the body, the channel conveying food, it is also said to be an aperture in the human body ^[13]. *Kupita* (aggravated) doshas, while in movement in body, come across the seat of susceptibility (kha vaigunya), and get lodged there causing the disease in that place itself [14]. Due to snehana and swedana the humors in the body gets liquefy and loosens their bond with the cells. Virechana medicines act by loosening the bond of humors with the *dhatu* by reaching to the micro channels, breaking their compactness and further liquefying and making them easy to expel. Virechana leads to the purification of the srotasas all over the body by removing all the stagnant morbid humors from each and every cell of the body by the action of the pre

procedures as well as the properties of medicines used for virechana.

- 2. Indriya prasada- Indriya means the number of five as symbolical of five senses in addition to five organs of perception (Dnyanendriyas) i.e eve, ear, nose, tongue and skin, also five organs of action (Karmendriyas) i.e. larynx, hand, foot, anus and parts of generation. Also, in the Vedanta manasa, buddhi, ahankara and chitta form the four inner or internal organs called as antarindriyaani. Each of these are being preceded over by its own ruler or niyantru ^[15]. Prasada is Nairmalyama (Shabdakalpadruma), /swasthyam Nairmalyama, Prasannata ^[16] which means clearness, cleanness, pellucidness (the quality of being clear and easy to perceive or understand) & purity ^[17]. Indriva prasadana is defined as the enhancement or improvement in the functions of senses [18]. Sharira and Mana lives in obedience to each other. Sharira shuddhi leads to mana shuddhi. Mana is an ubhayendriya which functions with the buddhi and also buddhi is said to be the place of mana. Hence, mana shuddhi leads to buddhi shuddhi and ultimately all the indriya shuddhi ^[19]. Indriya prasadana through virechana means by expelling the morbid humours obstructing the channels of indrivas, virechana purifies them and make them function better; just like by boiling the dirty water, one can purify it.
- 3. Anga Laghavta: Anga means dehaavayava ^[20] i.e. a limb or member of the body ^[21]. A division or department of anything, a part or 23

portion as of a whole ^[22]. *Laghuta* means light, causing easiness or relief ^[23]. *Virechana* leads to the expulsion of all the morbid humors from micro channels and cells which ultimately leads to the feeling of lightness in the body.

- 4. Oorjau Agni: Oorja is strong or strength ^[24]. Oorjau agni is strengthening of digestive fire. Due to eliminations of doshas from the body after virechana, Agni becomes weak as Samana vayu, Apana vayu and Pachaka pitta gets disturbed. Agni is diminished for time being ^[25]. This Agni as well as the disturbed doshas get normalized with the help of samsarjana karma after virechana.
- 5. Anamayatva: Anamaya is roga abhava^[26] i.e. free from disease or healthy ^[27]. Sroto dushti is the major component of roga samprapti (pathogenesis), without which a disease cannot manifest. Due to virechana the micro channels in the body gets rid of all the morbid humors and other disease-causing matter which ultimately leads to the disease-free body. But, this process is not visible immediately, whereas it gets started immediately after virechana. Anamayatvam gets visible during and after the completion of samsarjana karma.

In this study two groups were made. One having *kapha* as an end product of *virechana* and second with end product other than *kapha*. It was observed that whenever the patient had *kaphant virechana*, all the other signs and symptoms of *samyak virechana* were also present alongside. But, if *virechana* didn't end as *kaphant*, some of the other signs and symptoms were also remain absent. So, amongst all the signs and symptoms of proper virechana, kaphant virechana can be used as an indicator one for assessment. But other signs and symptoms are also important as they also indicate the end of the procedure (like sroto vishuddhi, anga laghava, oorjau agni, indriya prasadana, anaamayatvam etc).

But, nature of shuddhi depends upon the quantity and frequency of virechana karma as a whole. Though in some patients, kaphant virechana might be absent, if enough quantity of expelled material is thrown out, it remains sufficient to pacify the signs and symptoms of disease. So, in the patients where kaphant virechana might not be observed, the nature of 'anamayatvama (cure from disease or relief in disease)' remain completely on the quantity and frequency of expulsion. The end point of virechana in those patients is decided based on other signs and symptoms of proper virechana. In both the groups where kaphant virechana was observed and where it was absent, the nature of pacification of disease remains the same.

Antiki criteria is important to control the end of procedure. It avoids the *atiyoga* or *ayoga* of procedure. It does not influence the results of the procedure. It is just an indication of the nature of humours coming out. The results of the procedure mainly depend on the quantity of *doshas* or humors removed from the body. This is reflected through the proper features of virechana (*samyak lakshana*) along with the relief in signs and symptoms of the disease after completion of the procedure. This is nothing but laingiki shuddhi

CONCLUSION:

Signs and symptoms of proper virechana including kaphanta virechana is the ideal condition to end the virechana. But if one is not getting the kapha at the end of the virechana, on the basis of other signs and symptoms present during that period might give the physician to declare the end of the procedure. So, ultimately antiki criteria and signs and symptoms of proper virechana (laingiki criteria) are the real and foremost criteria amongst all the four criteria.

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