

April 2020 | Vol. 04th | Issue:2nd

International Journal of Research in Indian Medicine

A clinical study on amvat (rheumatoid arthritis) by vaitran basti along with bhallatak siddha kshir

Dhande Vaishali Anandrao¹, Thokal Sanjay Sukhdeo²

- 1. Associate Professor, Department of Kaychikitsa, SSVP Ayurvedic College and R.I. Hatta, Tq. Busmat, Dist.Hingoli, MUHS, Nashik, Maharashtra, India.
- 2. Professor and HOD, Department of Agadtantra and Vyavahar Ayurved) SKR Pandav Ayurved College, Nagpur, MUHS, Nashik, Maharashtra, India. Mob.No. 7499983045. Email ID dr.sthokal@rediffmail.com.

*Corresponding Author: Mob.:7083513059; Email ID – drvaishalithokal@gmail.com.

ABSTRACT.

Rheumatoid arthritis is a chronic inflammatory polyarthritis which is destructive and de-formative in nature. It is more common in female than male in a ratio of 3:1 and more common in 3rd or 4th decade of life. Treatment used in modern science is inadequate and many times surgical treatment is required. Prognosis of the disease is very bad as disease is progressive and leads to joint deformities.

According to *Ayurveda* symptoms of rheumatoid arthritis sembles to the symptoms of *Amvat*. *Amvat* is said to be *Kashtasadhya or Yappya* to treat, due to *Madhyam Rogamarga*. So we may correlate rheumatoid arthritis with *Amvat*.

Charkrapani in Chakradatta
Niruhadhikar has indicated
administration of Vaitaran Basti in the
management of Amvat. Bhallatak Siddha
Kshira was used in Ayurveda for a long
time to treat Amvat. Bhallatak is said to
be Ampachak, Shothhar, Jvarahar and

Vataghna in qualities and possess Rasayan Guna as per ancient Ayurvedic Acharyas. But a very few research work has been conducted on its efficacy in the management of Amvat.

Considering all these views in mind study was pinpointed to evaluated the efffect of administration of Vaitaran Basti alongwith Oral intake of Bhallatak Siddha Kshir in the patients of Amvat. for this purpose 15 patients who visited the hospital OPD, who were diagnosed as the seropositive rheumatoid patient of arthritis, were admitted in the IPD of Hospital of Kaychikitsa Department, SSVP Ayurved college Dist.Hingoli, Maharashtra, India R.I. Hatta (M.S.) and treatment was given for eleven days and statistical analysis was done for the observations found before treatment and after the completion of the treatment and results were obtained. It was observed that administration of Vaitaran Basti alongwith oral intake of Bhallatak Siddha Kshir proved to be very effective to reduce sings and symptoms of the

disease like Shoth (inflammation), Shula(pain), Pidanasahatva. Aruchi. Cluma, Mandagni. Pain was reduced significantly within 2-3 days administration of drugs. Jvara was also significantly reduced. So we may say that it is a very effective and successful treatment for the management of the disease Amvat. Also erythrocyte Sedementation rate was highly increased.

KEYWORDS – Amvat, Rheumatoid Arthritis, Vaitaran Basti, Bhallatak Siddha Kshir, Doshas, Akunchan Prasaranayo shula.

INTRODUCTION

Ayurveda, the science of life has been existing since the creation of this world by Lord Brahma. Rheumatoid arthritis is a chronic inflammatory, destructive and deforming polyarthritis. Ιt is associated with systemic disturbance, extraarticular lessions. It is a multifactorial disease with complex environmental genetic and factors including possible infection As the time passses further joint destruction takes place and development of systemic complications occours.

According to Ayurvedic view the symptos of rheumatoid arthritis can be correlated with the disease Amvat. There is Sandhishula. Shotha, Graha and Pidanasahatva in the involved joints. Jvara is also present alongwith Agnimandya and other general sympotms. Madhavkar in Madhavnidan Samhita mentioned Amvat as a disease for the first time. The disease is being chosen for the study due to its increasing prevalence and lack of effective medicements. Review of the explained that many treatments had been

tried with little success or in some cases mav need prolong management. According to the nature of the disease it is essential to plan such therapy which has Ama and Vatahara properties. The line of the treatment for the disease as per Chakradatta Amvatchikitsa Prakaran include Langhan, Swedan, use of Tikta and Katu rasa and if required Virechan and Basti. Chakrapani has indicated to administer Vaitaran Basti in management of Amvat. Bhallatak Siddha Kshir was used in Ayurveda for a long period to treat Amvat and significant results were observed. However a very few research work had been conducted on its efficasy in the management of Bhallatak Amvat. has Ampachak, *shothhar*(antiinflammatory) and Jvarahar, Vataghna properties. So alongwith administration of Vaitaran Basti oral intake of Bhallatak Sidddha Kshir was selected for the purpose of study.

Aims and objects of the study was pinpointed to evaluate the effect of therapy on Sandhishula, Sandishotha, Graha and effect of therapy sedimentation erythrocyte rate. lymphocyte count, haemoglobin gram percent. Keeping all these views in mind fifteen patients of rhematoid arthritis were selected for the study and were IPD of Kaychikitsa admitted in Department and results were observed with administration of Vaitaran Basti alongwith Bhallatak Siddha Kshir.

MTERIALS AND METHODS

Patients suffering from the disease and having symptoms of *Amvat* like *Sandhishul*, *Sandhishoth*, *Graha* were randomly selected irrespective of

age, sex, religion, caste, marital status, educational status and economic status and patients fulfilling the criteria of diagnosis were admitted in the IPD of the hospital for the purpose of the study.

Criteria of Diagnosis -

Selection of Patients - Patient selected randomly. For that were thorough examination of the patients was done and for that a special proforma was prepared. The necessary investigations done. Haemoglobin were gram percentage-hb%, Total leucyte count-TLC, Erythrocyte sedementation rate -ESR, Rheumatoid factor, ASO titre if necessary.

Inclusive Criteria of the Patients –

- Male or Female patients irrespective of caste and religion, place and from any socioeconomic status.
- patients of age between the age of seventeen years upto the age of sixty years.
- Patients having positive RA-Factor.
- Patients eligible for *Basti* treatment.

Exclusive Criteria of the Patients –

- Patients below the age of seventeen years and above the age of sixty years.
- Patients giving history of and patients of intestinal ulcers.
- Patients not eligible for *Bastichikitsa*.
- Seronegative rheumatoid arthritis.

Criteria of Assessment -

The effect of therapy was assessed as follows-

- effect of therapy on symptoms of the disease such as Shula, Akunchan Prasaranayo Shula, Graha, Shoth, Pidanasahatya.
- the involvement of joints.
- *Doshdushya Strotas* involvement.
- incidence of symptoms of *Sama*Avastha of the disease
- effect of therapy on *Jvar*.
- effect of therapy on haematological parameters.

For the assessment of symptoms general symptoms score method was adopted. for that mark system was adopted

- '2'marks to each symptom present before the treatment.
- '1'mark to each symptom reduced remarkably after the treatment.
- '0'mark to the complete relieved symptom.
- '2' marks for the symptoms showing no improvement after the administration of the therapy.

Percentage was calculated statistically for the assessment of sex of the patients either male or female, age, religion, socioeconomic status, educational and marital status. Percentage according to the involvement of joints, DoshDhshya-Strotas invlovement and incidence of symptoms and symptoms score percentage was calculated before treatment and after treatment and values were compared. Percentage of symptoms of Sama Avastha was calculated before treatment and after treatment. Effect of therapy on Jvar was calculated by Paired 't' test. Effect of therapy parameters haematological was calculated statistically.

Materials Used –

(A) Vaitaran Basti – Preparation Of Vaitaran Basti -

Vaitaran Basti has been mentioned by Chakradatta in Niruhadhikar (73/32) in the management of Amvat. Ingredients of Vaitaran Basti selected as described Chakrapanidatta. It was prepared by scientific method described in text and administered according to todays lifestyle. For that

(a) Gomutra – 200cc, (b) Tilataila – 100cc, (c) Amlica (Tamarind) – 25g, (d) Gud (Jaggary) – 50g, (e) Saindhav – 5g, (f) Shatpushpa Choorna-as a Prakshep – 10g

Initially guda(Joggary)was mixed uniformly with equal quantity lukewarm water and Saindhav was added to it. Thereafter Tilataila was added till the mixture becomes homogonous. To this Amlica Kalka was added carefully and finally Gomutra was added slowly in given quantity and mixed untill uniform Basti Dravya was obtained. This was then filtered and Bastidravya was made lukewarm by keeping it in the tub containing hot water. Basti was given by proper method in the leftlateral position of the patient by Bastiyantra after lunch in morning hours.

(B) Bhallatak Siddha Kshir-Preparation Of Bhallatak Siddha Kshir According to Ayurvedic Acharyas Charak, Sushrut, Vagbhat and others Bhallatak has KaphaVatghna and Rasayan properties. Bhallatak Siddha Kshir was prepared as per described in Sharangdhar Samhita. For that -

Shodhit Bhallatak – 1 piece, Milk – 30cc, water – 120cc

was taken. Shodhit Bhallatak was taken. It was added to milk and water in a container and kept on Mandagni to prepare Kshir by scientific method. It was boiled upto only milk in the quantity of 30cc remains. After then it was removed and filtered and was given to the patient orally in a dose of 30cc in the morning once in day.

Basti and Kshir was given combinely for 11 days.

Pathyapathya -

During the course of the treatment patients were strictly advised to take only lukeworm water for drinking, not to indulge in *Divaswapa*, rice was prohibited and general instructions were given.

OBSERVATIONS AND RESULTS

In this study of *Amvat*(rheumatoid arthritis) fifteen patients were studied. All the patients having positive R.A. Factor and fulfilling the criteria were selected randomly. The close observations were done and the results obtained by data analysis is presented here with, in tabular form

Table-1
Table showing sexwise distribution of 15 patients of *Amvat*(Rheumatiod Arithritis)

Sr.No	Sex	No. of patients	Percentage		
1	Male	1	6.67%		
2	Female	14	93.33%		

E- ISSN: 2456-4435

Table 2
Table showing involvement of joints in 15 patients of *Amvat*(Rheumatoid Arthritis)

Sr.No.	Name of Joint	No.of Patients	Percentage
1	Rt.Hasta Anguli Parva Sandhi	5	9.615
2	Rt.Hasta Anguliparva Sandhi	6	11.538
3	Rt.Manibandha Sandhi	4	7.692
4	Lt.Manibandha Sandhi	8	15.384
5	Rt.Kurpar Sandhi	7	13.461
6	Lt.Kurpar Sandhi	2	3.846
7	Rt.Ansa Sandhi	1	1.923
8	Lt.Ansa Sandhhi	0	0
9	manyaKasheruka Sandhi	1	1.923
10	Rt.Vankshan Sandhi	1	1.923
11	Lt.VankshanSandhi	1	1.923
12	Rt.JanuSandhhi	5	9.615
13	Lt.JanuSandhi	1	17.307
14	Rt.GulphaSandhi	1	1.923
15	Lt.GulphaSandhi	1	1.923

Table-3
Table showing dominant *Dosha-Dhatu-Strotas* involved In 15 patients of *Amvat*(Rheumatoid Arthritis)

Sr.No.	Involvement of	No. of Patients	Percentage
1	Dosha-Tridosha	15	100
2	Dhatu Rasa	15	100
	Dhatu Rakta	15	100
	Dhatu Mansa	15	100
	Dhatu Asthi	15	100
3	Strotas, Rasavaha	15	100
	Strotus Raktavaha	15	100
	Strotus Mansvaha	15	100
	Strotus Ashivaha	15	100
	Strotas Annavaha	15	100
	Strotas Mutravaha	9	60
	Strotas Purishvaha	12	80

Table-4
Table showing incidence of symptoms and symptom score In 15 patients of *Amvat*(Rheumatoid Arthritis)

Symptom	No.of	Percentage	Symptom score			Relief	
	Patients		B.T.	A.T.	Diff.	Percentage	
Shula	15	100	230	85	145	63.043	
Accunchan-	15	100	87	72	15	17.15	
PrasaranayoShula							

E- ISSN: 2456-4435

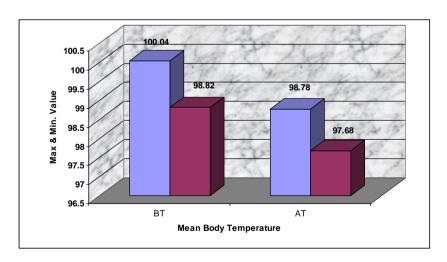
Graha	15	100	187	78	9	4.812
Shotha	15	100	162	72	90	55.55
Pidanasahatva	15	100	86	82	4	4.651
	Total		752	389	260	34.973

Table-5
Table showing incidence of symptoms of Sama-Avastha and effect of therapy on symptoms score

Sr.No	Symptoms	Symptoms		Sy	mptom	Relief		
•		No.of	Percent	B.T.	A.T.	Diff	Percentag	
		Patients				•	e	
1	Shtrotorodha	15	100%	30	6	24	80	
2	Balabhransha	15	100%	30	7	23	76.67	
3	Gaurav	15	100%	30	1	29	96.67	
4	Anilmudhata	10	66.66%	20	0	20	66.66	
5	Alasya	12	83.33%	24	7	17	59.03	
6	Apakti	14	71.83%	28	3	25	63.78	
7	Nishthiva	10	66.66%	20	0	20	66.66	
8	Malasanga	12	83.33%	24	1	23	79.86	
9	Aruchi	15	100%	30	4	26	86.67	
10	Klama	14	71.43%	28	6	22	56.12	

Table-6
Table showing effect of therapy on *Jvara* by paired "t" test

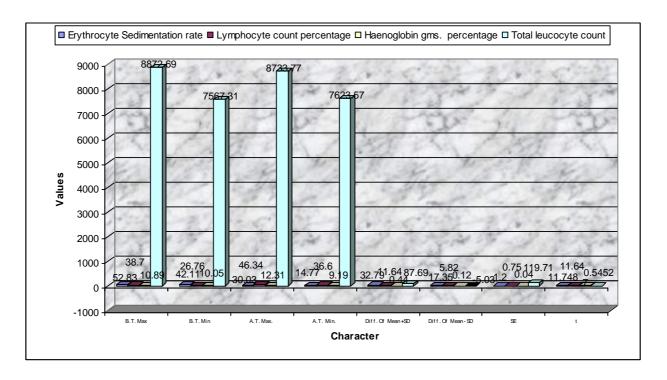
B.T.	A.T.	Diff.of	Sea	T	P
		Meant ISD			
99.43+00.61	98.23+0.55	1.2+0.51	0.1	9.16	< 0.001



E- ISSN: 2456-4435

Table-7
Table showing effect of therapy on haematological para-meters in 15 patients of *Amvat*(Rheumatoid Arthritis)

Sr.No.	Character	B.T.	A.T.	A.T.Max	A.T.	Diff.of	Difference of	SE	t	P
						means+SD	mean-SD			
1	Erythrocyte	52.83	42.11	30.03	14.77	32.79	17.35	1.2	11.748	< 0.001
2	Lymphocyte Count	38.7	26.76	46.34	36.6	11.64	5.82	0.75	11.64	< 0.001
3	Haemotoglobin gms	10.89	10.05	12.31	9.19	0.44	0.12	0.04	7	P<0.001
4	Total Leucocyte	8872.69	7567.31	8733.77	7623.57	87.69	-5.03	120	0.5452	P<0.001



DISCUSSION

Aim of the study was to evaluate the effect of therapy on Sandhishula, Sandhishotha, Graha, Jvara and effect of therapy on erythrocyte sedementation rate, lymphocycte count, haemoglobin gram percent. In this study it was observed that female suffer more than male (93.33%). It is common in lower socioeconomic status patients (59.93%). The reduction in symptoms of *Amvat*, as well as reduction in symptoms of Sama-Avastha by more than 50% relief percentage highlighted that Vaitaran Basti combined with oral administration of Bhallatak Siddha Kshir had definite role to reduce the disease process of Amvat. The highlight of observation was that administration of these therapy reduced the pain within 2to3 days. There was near about 50%to60% relief in the Akunchansymptoms of Shula. Shula, Prasaranaya Graha and Pidanasahatva. Balabrhansha, Gaurav, Anilamudhata, Alasya, Apakti, Nishthiv, Malasanga, Aruchi and Clum symptoms were reduced to near about 70% to 80%. Effect of therapy on Jvara calculated by Paired "t" test and excellent results in reduction of Jvara was observed (Table-6). Effect of therapy on haematological parameters was calculated statistically and excellent observed improvement was after treatment (**Table-7**)

Mode of Action Of Drugs -Mode of Action -

Vaitaran Basti is a Mridu Kshara Basti. It constitutes Amlica, Guda, Saindhava. Gomutra and Tilataila in a particular ratio. As a whole, the properties of Vaitaran Basti can be

considered as Laghu, Ruksha, Ushna, Tiksna Guna which are opposite to Guru, Snigdha Guna of Kapha. The drugs possess VataKapha Shamak Guna. It helps in reducing Kaphadosha Amadosha viciation in the disease and hence provides significant improvement in the signs and symptoms of the disease. Saindhava is Sukshma and Tikshna in Guna. It causes Strotoshodhan overcoming Sanga and helps to pass the molecules in the drug systemic circulation through mucosa. It Liquifies the viscous matter and break down them into tiny particles. Guda and Tilataila are useful to make the mixture homogenous and so it is quickly absorbed through the gut. It helps in carrying drugs upto microcellular level. Amlica is Ruksha, Ushna Amla, *VataKaphaShamak* properties which is useful to treat the disease Amvat. Gomutra is chief content of Vaitaran Basti. It is of Katu Rasa, KatuVipak, Ushna Virya, Laghu, Ruksha and Tikshna Guna pacify the Kapha Dosha. It has the qualities Tridoshhar, Agnideepana, Pachan, Strotovishodhan and vatanuloman. It helps to destroy the Samprapti and to reduce signs and symptoms of the disease. Basti is administered through the rectum. So it has faster absorption and provides quicker results. The Basti Dravya after reaching large and small intestine gets obsorbed from the intestine due to laghu, Ushna, Tikshna and Ruksha Guna of drugs of Vaitaran Basti. It breaks the obstructions and expels out the marbid material from all over the body thus helps in breaking down the pathogenesis of the disease.

Bhallatak(Semearpus anaeardium Linn.) or markingnut has been indicated for shotha(inflammation). In

Charaksamhita Chikitsa Sthan ten different doses forms of Bhallatak are described for the purpose of Rasayan. According to Sushrut it possess Mdhur, Kashav, Katu Rasa, Anurasa-UshnaVirya, Tikta. Laghu, Snigdha, Tikshna Guna. KaphaVatashamak properties, Doshaghna Karma and it is called Vatari. It acts as Vatahar. It posses qualities of Deepan, Pachan, Vatahar, Medhya, **I**t is Jvarahar Urdhavadoshaghna and Agnimandyahar. Due to its Deepan, Pachan Ushna and Tikshna Guna is acts as KaphaVat Shamak. By its properties signs and symptoms of the disease. get reduced.

Thus it may be possible that property of *Bhallatak Siddha Kshira* may be responsible for *Pachan* and *Deepan* to reduce the *Sama-Avastha. Rasayan* effect of *Bhallatak* may help to reduce the *Shula, Shotha* and *Graha* by supplementing *Vaitaran Basti* and giving *Bala* to *Strotus*. The modern contentment of erythrocyte sedimentation rate was also highly significantly reduced which proved the effect of therapy.

It was a sincere effort to treat the patients effectively. So that patients may get rid off the disease. In future planned study should be undertaken on the efficasy of the drugs. To add, effect of these threapy must be seen immunologically also. Hoping best wish to relieve the patient.

CONCLUSION

The conclusion is drawn that based on statistical evaluation of significance, the administration of Vaitaran Basti alongwith Bhallatak Siddha Kshira is very effective in reducing the signs and symptoms of the

disease. Jvara is also significantly reduced, erythrocyte sedimentation rate was significantly increased. Thus it can be concluded that administration of Vaitaran Basti alongwith BhallatakSiddha Kshira is significantly effective and successful treatment in the *Amvat*(Rheumatoid management of Arthritis). Vaitaran Basti exerts a more systemic action besides exerting local action via large intestine. Bhallatak posses anti-inflammatory and Rasayan qualities.

ACKNOWLEDGEMENT

I am indebted to respected Dr.M.H. Kulkarni, Principal, **SSVP** Ayurved College and R.I.Hatta, Dist Maharashtra, Hingoli, India who provided facilities and always encouraged to enrich my contribution in the Ayurvedic field. I am obliged by the excellent guidance and constant encouragement by my guide and respected teacher Dr.P.R. Kabra, Proff.and H.O.D. Kaychikitsa Dept. Govt.Ayur. College, Nagpur (M.S.)India.

ABBREVATIONS

BT - Before

treatment values

AT – After

treatment values.

REFERENCES

1. Gollawalla Medicine For students by A.F.Gollwala and S.A. Gollwalla ed-16 by execudie distributers, Published by A.F.Gollwalla express court Bombay chapter-15, Page 711-713, 714. year 1994.

- 2. API Textbook of Medicine, 7th ed. edited by Siddharth N.Shah, M.Paul Anand, Published by the association of Physicians of India(2003) ch-XIX. Page No.-1160, 1164,1161, 1162, 1163.
- 3. Davidsons's **Principles** Practices of Medicine ed-19th. edited by Charistopher Haslette, R Chilvers, **Nicholas** A.Boon, Nicki R.Colledge, John A.A.Hunter. Published by Edinborg London, New Philadelphia ST.Louis Suydney 2002. Ch-20 Toranto Page-976,977, 1002-1007, 1003-1004, 1006-1007.
- 4. Madhavkar Madhavnidan, Madhukosh Sanskrit Commentary by Vijayrakshit, Srikanthadatta and Vidyotini Hindi Commentary by Sudarshan Shastri edited by Yadunandan Upadhyaya, Chaukhamba Prakashan Varanasi, Revised edition reprint2007, NidanStan Ch-25 pgNo. 508,509, 512
- 5. Sushruta, Sushrut Samhita, Nibandha-sangraha commentary of Dalhana, Nyayachandrica commentary of Gaydas edited by Ambikadatta Shastri, Chaukhanba Orientatia Varanasi, reprint edition 2010, Sutrasthan 15/24, page No.81.
- 6. Charak CharakSamhita
 Sutrasthan Yadavji trikanji
 acharya editor Varanasi
 Chaukhamba Krishnadas
 Academy 2006 Sutrasthan Ch-18,
 Page 106)
- 7. Charak Samhita Chikitsasthan, Ch.15, pg.No.459, 597. Vidyotini Hindi commentary by

- Padmabhushan Vaidya SAmvata Shree Satyanarayana shastri, explained by Kashinath Shastri and Gorakhnath Chatarvedi Published by chaukhamba Sansktri Series 2009.
- 8. Sharangdhar Samhita Purvakhanda, jeevanprabha Hindi Commentary Ch7, pg.No.
- 9. Chakradatta with Ratnaprabha commentary edited by Priyavrat sharma, Swami Narayan das Prakashan jaipur, reprint 200, Amvat chikitsa ch.25 Pg.No.423.
- 10. Bhaishjya Ratnavali edited with Siddhiprada Hindi commentary by Siddhinath Mishra published by Chaukhamba Surbharati Prakashan Varanasi, edition2007 Ch-29, Pg.No.223, 232-236.
- 11. Shastri K.Chaturvedi G.N.editor Drudhbal Charak Samhita of Agnivesh, Siddhithan reprint edition ch.1 vwe38-40 varanasi Chaukhamba bharati Academi2003, P-1169.
- 12. Tripathi Indradeo editor *Chakradatta of chakarpanidatta* 1st ed. ch25 ver 1 Varanasi Chaukhamba Sanskrit Sansthan 2012 P116.
- 13. Bhavmishra Bhavprakashmishra, Shastri B(editor) Vidyotini Hindi commentary 6th ed 1984, chaukhamba Sanskrit Sansthan, Varanasi P312-326
- 14. Sharangdhara, Sharangadhar Samhita, Murthy K.R.S.(editor)
 Chaukhamba Orientalia reprint2012 P.No.75.
- 15. Sharma P, Dravyaguna Vigyan vol-2, Chaukhamba Bharati

- Academy, edition 2011, Varanasi 2013, P166-170.
- 16. Vagbhat, Ashtamnghriday Harishtri Paradkar 9th ed. Varanasi chaukhamba Orientalia.2005 uttarsthana(24 Page 862)
- 17. Satyavati G.V. Prasal D N, Dask PK, Singh HD Antiinflammatory activity of *Semecarpus anacardeum Linn*.a preliminary study. India J Physiology and Pharmaca.1969:1. 35-45.
- 18. An Ayurvedic Perspective of *Bhallatak* (*Semecarpous anacardium Linn*.) Ilian chezhian R.Roshi Josephe C, Rabinarayan Acharya, Intermet.IJRAMISSN-23499834, alternative medicine 2014;1(2), 43-58 https://www.researchgate.net.
- 19. Role of *Vaitaran Basti* in the management of *Amvat*, w.s.r to Rheumatoid Arthritis-A Review article by Dewangan Neetu, Shrivas Saandeep, Khicharya S.D.

- 20. Internet www.iamj.in/Posts/images/uploat ed/1445-1448Pdf.
- 21. ISSN-23205091, July 2018, vol 6 issue 7, Review article.
- 22. Role of *Bhallatak Kshirpaka* in the management of *Amavata*(Rheumatoid arthritis) A clinical study. Vinod N.Ade. Journal of Indian system of medicine http://joinsysmed.com/article.asp, ISSN=2320;2015; Page 122-128.
- 23. Efficacy of Bhallatak Kshirpak Kalpa On Patients of Rheumatoid Arthritis(*Amvat*) Cited as Sandhya N.Wagh, Bheemsen Behara April 2017;4(2)20-23. Published International by Academy Ayurveda Physicians(IAAP) Access from www.japs.co.in,

https://pdfs.semanticsscholar.org.

Cite this article:

"A clinical study on amvat (rheumatoid arthritis) by vaitran basti along with bhallatak siddha kshir."

Dhande Vaishali Anandrao, Thokal Sanjay Sukhdeo

Ayurline: International Journal of Research In Indian Medicine 2020; 4(2):01-11