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CASE REPORT

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# A case report on the management of Amavata by Agni Chikitsa Lepa with Manjishtadi Kshara Basti

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# ABSTRACT

Treatment of the disease with the collective involvement of *Agni*, multiple *Dhatu* and *Dosha* are challenge to the clinical practitioner. One such disease with increasing prevalence is *Amavata*. The involvement of *Agni*, *Ama*, all the *Dosha* and multiple *Dhatu* makes it difficult to manage. The *Sama* stage of the disease with the involvement of *Vata* and *Kapha* is to be managed with *Deepana*, *Pachana*, *Ruksha*, *Ushna*, *Teekshna* line of management. As there is involvement of *Vata* and *Kapha*, *Basti Chikitsa* formulated on the basis of *Teekshna*, *Kaphaghna Basti* are the ideal treatment. With this concept in backdrop, a male patient diagnosed as *Amavata* with raised RA factor was treated with *Agnichikitsa Lepa* externally *and Manjistadi Kshara Basti* in *Kala Basti* course for 7 days. Clinically patient showed significant reduction in symptoms of *Amavata*, RA factor, ESR, Uric acid after 7 days of course. Hence, combined *Rukshana*, *Deepana*, *Pachana* with *Vata*, *Kapha Shamana* will help in managing the *Amavata*.

**Key words:** Amavata, Ayurveda, Agnichikitsa Lepa, Manjistadi Kshara Basti, Kaphagna Basti, Rukshana.

# **INTRODUCTION**

Rheumatoid arthritis is a chronic, progressive autoimmune disease characterized by bilateral symmetrical involvement of joints with some systemic clinical features. [1] The prevalence rate of this disease is about 3% with male to female ratio of 1:3. Rheumatoid factors are proteins produced by immune system that can attack healthy tissue in the body. High levels of Rheumatoid factor (RF) in the blood are most

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Published by Maharshi Charaka Ayurveda Organization, Vijayapur, Karnataka (Regd) under the license CC-by-NC-SA often associated with autoimmune diseases such as Rheumatoid arthritis and Sjogrens syndrome. The presence of RF does not necessary indicate the presence of RA. If RF is negative then suggest sero negative arthritis. The ESR measures the degree of inflammation in the joints.

Clinical features of *Amavata* resembles with symptoms of Rheumatoid arthritis.<sup>[2]</sup> *Amavata* is mainly produced due to *Ama* and vitiation of *Vata Dosha*. The *Ama* is carried by the aggravated *Vata* and deposited in *Shleshma Sthana* like *Sandhi* producing features like *Angamardha, Aruchi, Alasya, Sandhiruk, Sandhishotha*.<sup>[3]</sup> When the *Gambheera Dhatu* are involved, the disease will present with a painful crippling state in the patient.

These symptoms hamper the quality of life of the patient affecting physical, psychological, economical and social life of the patient. Hence, early management in the form of normalizing *Agni* and *Vata* becomes the prime line of treatment in *Amavata*.

The management of Amavata includes Langhana, Swedana and use of drugs having Tikta, Katu Rasa with Deepana property.[4] This line helps in the management of associated Ama. The Agni Mandya and Sama stage are contraindicated for any other treatment. Hence, removing the Ama in Koshta and Shakha and enhancing/normalizing Jataragni are of prime importance in the management of Amavata. As the Ama is Jataragni is circulated all over the body including deeper Dhatu is by the aggravated Vata Dosha, controlling Vata Dosha is also the prime line of management. Hence, a combination of treatment, which act on Agni, removing the Ama Dosha, controlling the Vata and Kapha Dosha, helps in formation of normal foremost Rasa Dhatu are of treatment of choice in initial stages of Amavata.[5]

The Agni Chikitsa Lepa is an important Deepana, Pachana, Rukshana Chikitsa practiced since decades in the management of Saama diseases. As the name suggests, its main site of action is Jataragni with action on Rasa Dhatu. The 10 drugs used in the preparation is having Ruksha, Ushna, Teekshna property by virtue of which it will cause Agni Deepana, Ama Pachana. [6] Once the Agni is normal, the Ama is removed in Koshta. The foremost Rasa Dhatu will be formed normally leading to the nourishment of all other Dhatus. Hence, the basic Samprapti is reversed in Amavata if managed early.

As there is involvement of *Kapha Dosha* with *Vata*, *Basti* is to be selected as a line of management. The *Basti* formulated should have *Ushna*, *Teekshna*, *Kapha Vatahara* property. Hence *Kshara Basti* is formulated based on the concept of *Kaphaghna Basti*. <sup>[7]</sup> *Manjista* effect on *Tridosha* - It is *Madhura*, *Kashaya* and *Tiktarasa*. *Ruksha* and *Guru Guna*. *Ushna Virya* and *Katu Vipaka*. <sup>[8]</sup> The bioactive ingredients in this red root makes it a *Kapha-Pitta Shamaka Dravya* i.e., actively balances the *Pitta Dosha* and *Kapha* and *Vata Dosha*. As there is involvement of *Rakta Dosha*, the *Teekshna Basti* may cause *Rakta Doshana*. The *Manjista* which is having the *Rakta Prasadana* effect will take care of the *Rakta Dosha*. With this idea in back drop, a case was selected and treated with *Agni Chikitsa Lepa* 

externally with *Manjistadi Kshara Basti* in a course of *Kala Basti*. The details of the case treated are;

#### **CASE REPORT**

A male patient of aged about 57 years working as farmer presented with complaints of multiple joint pain since 3 years associated with swelling over the joints and morning stiffness.

# **Detailed history**

A male patient of aged about 57 years k/c/o HTN apparently healthy 3 years back. Joint pain initially started in the proximal interphlangeal joints bilaterally in the upper limb, after a week he noticed stiffness in the fingers. Later pain started in the B/L elbow joints in the period of 5 month. Gradually pain started in wrist, shoulder, knee and ankle joints bilaterally. Severity of the pain started increasing and associating with swelling, redness. Nature of pain is throbbing type. Pain aggravating in morning hours after getting up from the bed, after intake of sweet food, curd, fruits like banana and stiffness in the joints at least for 30 mins. Pain used to relive to some extent after exercise. There was reduced appetite, excessive salivation, loss of taste, heaviness, no interest in routine work. No h/o of fever.

#### **Treatment history**

There was a history of occasional joint pain since 2018 and most of the time it was mild in nature and rarely required any anti-inflamatory and analgesics. A single dose of non steroidal anti inflamatory drug was sufficient for pain relief. In the beginning pain got reduced due to analgesic medication and later again there was severe aggravation of pain. For further management he approached our hospital.

Details of the examination are given in Table no. 1 and Table no. 2.

**Table 1: Examination** 

Nadi	84/min
Mutra	Prakruta
Mala	Amayukta

Jihva	Upalepatwam
Shabdha	Prakruta
Sparsha	Ruksha
Druk	Prakruta
Aakruti	Prakruta
Prakriti	Vata-Pitta
Sara, Satva, Saatmya, Samhanana, Pramana	Madhyama
Aharashakti, Vyayamashakti	Alpa
Vaya	Madhyama

#### **Table 2: General examination**

Appetite	Reduced
Bowel	Once in 2 days hard stools associated with bloating in the abdomen.
Micturation	Regular
Sleep	Disturbed due to pain
Systemic exan	nination
RS	NVBS heard
CVS	S1S2 heard, no murmur
CNS	HMF intact

# Musculo skeletal system examination - on 26/8/2020

## Inspection

- Difficulty in extension of phalanges of both upper limbs
- Difficulty in flexion of arms
- Swelling in the Interphalangeal joints

# **Palpation**

- Tenderness in between shoulder, wrist, knee and ankle joints,
- Raise in temperature

# Hematological report - 26/8/2020

- Hb 14.9gm%
- ESR 30mm/hr
- Uric acid 7.2mg/dl
- RA factor 62.0 IU/ml positive
- CRP negative
- A.S.O negative

Based on above history, clinical examination, investigations, patient was diagnosed as *Amavata* with *Saama* stage. Hence, planned for *Agnichikitsa Lepa* externally and *Manjistadi Ksara Basti* in *Kala Basti* course for 7 days.

#### **Treatment**

Agni Chikitsa is a therapy practiced since decades in the hospital. Basically, it was practiced in a folklore practitioner family in Bolambar, Ankola district which was modified and prescribed in our hospital.

Table 3: The Ingredients of Agni Chikitsa Lepa

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Naı	me of the drug	Quantity				
Dry	drugs					
1.	Lashuna (Allium sativum)	10 buds				
2.	Lavanga (Syzygium aromaticum)	10gm				
3.	Maricha (Piper nigram)	10gm				
4.	Sarshapa (Brassica campestris)	5gm				
5.	Haridra (Curucuma longa)	5gm				
We	t Drugs					
6.	Kshudra agnimantha (Clerodendrum phlemoidis)	<ul> <li>Leaves of these drugs are used.</li> </ul>				

7.	Vanatulasi (Ocimum basilicum)	<ul><li>Each drug is taken in equal quantity</li><li>Quantity sufficient enough to</li></ul>
8.	Nirgundi (Vitex nigundo)	prepare a paste to apply all over the body of the patient
9.	Papata (Pavetta indica)	<ul> <li>Quantity varies according to the patient</li> </ul>
10.	Bandha (Bradelta scandes)	

## Preparation of Agni Chikitsa

All the wet drugs (fresh leaves of Kshudra Agnimantha, Vana Tulasi, Nirgundi, Papata, Bandha) were washed and the thick mid veins present in the leaves were removed and chopped into small pieces. Then dry drugs are added and grinded into a smooth semisolid paste by adding required quantity of boiled and cooled water. Fresh paste of Agni Chikitsa was prepared daily just before application during the course of treatment.

### Method of application and administration

Patients were asked to take hot water bath.

It is advised in 3 forms;

- Pralepa
- Pradeha
- Alepa

**Pralepa** - It can be applied in cold form, thin and it can be removed as soon as it gets dried or allowed to remain even after drying as per the requirement.

**Pradeha** - Can be applied hot or cold, thick and removed soon after drying.

**Alepa** - It can be applied hot or cold, is neither too thin nor too thick can be removed soon after drying or can be allowed to remain for some time even after drying.

Agni Chikitsa was applied in opposite direction of hair follicle to the whole body below the neck in thickness of approximately 2.6mm. Paste falls off from the body of the patient when it is dried. It was not removed manually. Whole procedure was repeated for 7 days. During these 7 days patients were asked to take light

diet in the form of rice gruel and green gram soup. Hot water should be used for drinking as well as bathing.

#### Manjistadi Kshara Basti

*Basti* is administered in *Kala Basti* course. The dose and ingredient of *Basti* are;

#### Dose of Basti

Matrabasthi with Brihath Saindavadi Taila - 80ml

Manjistadi Ksara Niruha Basti - 480ml

# The ingredients and its quantity in Matra Basti

- Saindhava Lavana (Rock salt)
- Shreyasi (Scindapsus officinalis)
- Rasna (Pluchea lanceolata)
- Shatapushpa (Anethum sowa)
- Yavani (Trachyspermum ammi)
- Maricha (Piper nigrum)
- Shunti (Zingiber officinalis)
- Kusta (Saussurea lappa)
- Sauvarchala (Sochal salt)
- Vida (Vida salt)
- Ajamoda (Carum roxburghianum)
- Madhuka (Glycyrrhiza glabra)
- Jiraka (Cuminum cyminum)
- Pushpaka (Inula racemosa)
- Kana (Piper longum)
- Eranda Taila (Ricinus communis)
- Shatapushpa Ambu (Anethum sowa)
- Kanji (Fermented gruel)
- Mastu (Curd water)

# **Method of preparation**

All the ingredients are mixed and boiled till total moisture is lost from the oil, and then filtered. The filtrate is then stored in a clean bottle away from heat, light and moisture. (Bhaishajya Ratnavali 29/222-227)

Table 5: The Ingredients and its quantity in *Kshara*Basti

Ingredients	Quantity
Makshika	80 ml
Saindhava Lavana	5 gm
Moorchitha Tila Taila	60 ml
Manjistadi Kalka (Manjista - Rubia cordifolia), (Amalaki - Emblica officinalis, Vibitaki - Terminalia bellerica, Haritaki - Terminalia chebula), (Guduchi - Tinospora cordifolia), (Nimba Twak - Azadiracthta indica),	40gm
(Shatha Pushpa - Pimpinella anisum)  Manjistadi Kwatha  (Manjista - Rubia cordifolia), (Amalaki - Emblica officinalis, Vibitaki - Terminalia bellerica, Haritaki - Terminalia chebula), (Katuki - Picrorhiza kurrooa), (Daruharidra - Berberis aristata), (Guduchi - Tinospora cordifolia), (Nimbatwak -	100 ml
Azadiracthta indica),  Gomutra	100 ml
Kaanji	100 ml
Total	480ml

# Preparation of Manjistadi Ksara Basti

The above *Basti* drugs are mixed in a standard order into a smooth mixture. It is filtered, made luke warm and filled in the enema can.

The *Basti* was administered adopting standard operative procedure.

Table 6: The course of *Basti* given was;

Days	1	2	3	4	5	6	7	8
Morning		MK	MK	MK	MK	MK	MK	М
Afternoon	М	М	М	M	М	М	М	М

Manjistadi Ksara Basti is a type of Niruha Basti having Tikshna Guna, Lekhana property.

# **OBSERVATIONS**

Table 7: Related with Basti Pratyagamana Kala

June 2022

Date		26/8 /202 0	27 /8/	28 /8/	29 /8/	30 /8/	31 /8/	1/ 9	2/ 9
Dose	Mo rnin g	-	48 0m I	48 0m I	48 0m I	48 0m I	48 0m I	48 0m I	60 ml
	Afe rno on	60m I	60 ml	60 ml	60 ml	60 ml	60 ml	60 ml	60 ml
Time of Admin	Mo rnin g	-	6.3 0A M	6.3 0A M	6.3 0A M	6.3 0A M	6.3 0A M	6.3 0A M	6.3 0A M
istrati on	Afe rno on	2.30 PM	2.3 0P M	2.3 0P M	2.3 0P M	2.3 0P M	2.3 0P M	2.3 0P M	2.3 0P M
Time of Expuls	Nir uha	-	6.3 5A M	6.4 0A M	6.3 5A M	6.4 0A M	6.4 5A M	6.4 5A M	6.4 0A M
ion	Mat ra	6PM	6.3 0P M	6P M	7P M	7P M	8P M	9P M	9P M
Reten tion Time	Nir uha	-	5m in	10 mi n	5m in	10 mi n	15 mi n	15 mi n	10 mi n
	Mat ra	3Hrs 30M in	4 Hrs	3H rs 30 Mi n	4H rs 30 Mi n	4H rs 30 Mi n	5H rs 30 Mi n	6H rs 30 Mi n	6H rs 30 Mi n
Numb er of Evacu	Nir uha		3	4	3	4	3	3	3
ations	Mat ra	1	1	1	1	2	1	2	2

Table 8: Samyak Nirudha Lakshana

Lakshana	Da							
	y 1	y 2	y 3	y 4	y 5	y 6	y 7	y 8
Mala Shodhana	+	+	+	+	+	+	+	+

Mutra Shodhana	-	-	-	-	+	+	+	+
Adho Vayu Nirgamana	-	-	+	+	+	+	+	+
Ruchi	-	-	-	+	+	+	+	+
Agnideepti	-	-	-	+	+	+	+	+
Ashaya Laghuta	-	-	-	+	+	+	+	+
Rogopashan ti	-	-	-	-	-	+	+	+
Prakritista	-	-	-	-	-	+	+	+
Bala	-	-	-	+	+	+	+	+

Table 9: Samyak Anuvasana Lakshana

Lakshana	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Shakruta Shodhana	+	+	+	+	+	+	+	+
Dhatu Prasada	-	-	-	-	+	+	+	+
Indriya Prasada	-	-	-	-	+	+	+	+
Swapna Bahulya	-	-	-	-		+	+	+
Shareera Lagava	-	-	-	-	+	+	+	+
Bala Janana	-	-	-	-	-	-	+	+
Mutra Shodhana	-	-	+	+	+	+	+	+
Adhovayu Nirgamana	+	+	+	+	+	+	+	+

#### **RESULTS**

After 7 days of treatment, there was significant improvement seen in clinically and *Shamana Oushadi* was given in *Basti Parihara Kala* after that again

hematological test was done there was significant improvement seen. The severity of symptoms like multiple joint pain, swelling, morning stiffness were reduced significantly. Appetite is normal. Weakness reduced. Hematological test showed significant changes which are mentioned in Table no. 8

**Table 8: Hematological test** 

Investigation	On 26/8/2020	On 18/9/2020
Hb (GM%)	14.9	14
ESR (mm/1 hour)	30	15
Uric Acid (mg/dl)	7.2	5.6
RA Factor (IU/ml)	62.0 (Positive)	36.4 (Positive)
CRP (mg/L)	Negative	Negative
A.S.O (IU/ml)	Negative	Negative

#### **DISCUSSION**

Amavata is a chronic disease and usually manifest itself over a period of a few months due to indulged in Viruddhaahara, Snigdhaahara, Vishamashana, Divaswapna, Chinta, Bhojanottara Vyayama. All these factors lead to Mandagni and formation of Ama.[9] In this patient Nidanas like excessive consumption of food like sweet, curd, banana leads to Kapha Vridhi and formation of Ama. The Ama is carried by the aggravated Vata and deposited in Shleshma Sthana like Sandhi producing features like Angamardha, Aruchi, Alasya, Sandhiruk, Sandhishotha.[10] When the Gambheera Dhatu are involved, the disease will present with a painful crippling state in the patient. These symptoms hamper the quality of life of the patient affecting physical, psychological, economical social life of the patient.[11] Hence, early management in the form of normalizing Agni and Vata becomes the prime line of treatment in Amavata.

The *Pradeha Chikitsa* for *Vatavyadhi* should be having *Ushna* nature (*Kolakulathadi Lepa*). Meanwhile another verse suggests the *Gandhoushadha* as *Pradeha* which is *Vatahara*.<sup>[12]</sup> The present *Agnichikitsa Lepa* is prepared by *Ushna Veerya Dravya*,

Gandhoushadha and Vatahara Dravya. Meanwhile in Jwara Chikitsa Adhyaya in the context of Agurvadhi Taila<sup>[13]</sup> the medicines mentioned for the preparation are made into Sukoshna, Pradeha which may be used for the treatment of both Vatavyadhi and Jwara Chikitsa. To treat disease Amavata having surplus of Vata and Kapha Dosha, Agni Chikitsa Lepa is introduced. This is having Vatahara, Sama Kaphahara, Gandhoushadha property.

#### Manjistadi Ksara Basti

Basti is by nature Vatahara.<sup>[14]</sup> Manjistadi Ksara Basti having the ingredients which is already mentioned processes Vatahara, Rakthaprasadaka, Kaphahara, Samadosha Nivaraka properties. Owing to the Kshariya nature of the Basti which is aptly fitting the Samprapthi Ghataka like Rasa, Raktha, Vata, Kapha and Samadosha. Thus, the treatment of Agni Chikitsa Lepa and Manjistadi Ksara Basthi helps to mitigate the Dushitha Dosha and Dushya.

#### **CONCLUSION**

From this study it can be concluded that *Amavata* can be effectively and safely treated by using *Manjistadi Ksara Basti*. But this a single case study, hence to prove the efficacy there is need to conduct study on large number of patients.

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