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Rheumatism - A Case Study

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Rheumatism, is a general term for group of disorders that cause inflammation in connective tissues particularly the joints and muscles. The most common symptoms are stiffness and pain. Amavata is one of the commonest disorders caused by the impairment of Agni, formation of Ama and vitiation of Vata Dosha where in Ama combines with Vata Dosha and occupies Shleshmasthana such as Amashaya, Asthi and Sandhi. In terms of similarities of clinical symptoms Amavata is understood in parlance with Rheumatoid Arthritis in the present case. The adverse and toxic symptoms like blurring of vision, altered appetite, indigestion and altered bowel habits due to long standing use of Nonsteroidal anti-inflammatory Drugs, antimetabolites, glucocorticoids and immunosuppression therapies, lead the patient to search for an alternative treatment. With help of Amapachana, Snehapana and Shodhana the patient and their attendees witnessed the stabilization of Agni(metabolism) sooner with regression of arthritis symptoms and withdrawal of glucocorticoids and other immunosuppressants which was the most needed relief they were eagerly waiting for. A significant result was noted after treatment in terms of reduction in level of RA factor from 20iu/MI to 1.1iu/MI and CRP from 28.5mg/L to 3.5mg/L and ESR from 66mm/hr to 42mm/hr. The overall physical, mental and social wellbeing was observed proving significant efficacy of principal based holistic approach of Ayurveda.

Keywords: Amavata, Amapachana, Rheumatism, Snehapana, Shodhana

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# Introduction

Rheumatism, is a general term for group of disorders that cause inflammation in connective tissues particularly the joints and muscles. The most common symptoms are stiffness and pain.[1] Amavata is one of the commonest disorders of Madhyama Rogamarga which is caused by the impairment of Agni, formation of Ama[2] and vitiation of Vata Dosha where in Ama combines with Vata Dosha and occupies Shleshmasthana such as Amashaya, Asthi and Sandhi leads to formation of Amavata.[3]

# Case Report

A diagnosed case of Rheumatoid arthritis with Rheumatic fever, aged about 52 years hails from Chikkamagaluru, has been treated under Rheumatology Department at Mangalore nearly 1 year. The patient was prescribed Methotrexate and steroid medications, but after a year, they developed Optic Neuritis, leading to blurred vision in the left eye, with limited relief from rheumatic symptoms. So approached *Ayurveda* as an alternate solution.

### **Chief and Associated complaints**

Chief complaints and Associated complaints	Duration
Ubhaya Jaanusandhi Shola and Shotha with Raga	1 year
Ubhaya Gulphasandhi Shola and Shotha	6 months
Morning stiffness	6months
Crepitus	1 month
Angamarda	15days
Agnimandya	1 year
Low grade fever	1 year

**Personal history -** No H/O any previous surgeries, no H/O Diabetes mellitus and Hypertension.

**Menstrual history -** Menopause attained.

Occupation - House wife.

Diet - Non-vegetarian.

**Examination** 

#### Ashtavidha Pariksha

1. Nadi: 80/min.

2. Mala: Malavashtambha.

3. Mutra: 3 to 4 time in day, 1 to 2 times in night.

Jihva: Sama.
Shabda: Prakruta.

6. Sparsha: Anushna.

7. Drik: Avara.

8. Akriti: Madhyama.

#### Dashavidha Pariksha

1. Prakruti: Vata Pradhana-Kapha Anubandhi.

2. Vikruti: Dosha - Vatapradhana Tridosha

Dooshya - Rasa, Meda, Asthi

3. Satwa: Madhyama.

4. Sara: Rakta

5. Samhanana: Madhyama 6. Pramana: Madhyama

7. Satmya: Sarva Rasa

8. Aharasakti: Avara, appetite reduced

9. Vyayamasakti: Avara 10. Vaya: 52 years

**Differential Diagnosis** - Amavata, Sandhivata, Vatarakta

# **Investigations**

■ HB - 12.4g/dl

■ Platelet count - 4,91,000 cells/cumm

■ ESR - 66mm/hr

RA factor - Positive

CRP - 28.5mg/L

# Positive findings for diagnosis

### **Clinical presentations**

Symmetrical involvement of more than 3 joints - Bilateral Knee joint and Ankle joint

Consistent low - grade fever Investigations - elevated ESR

Positive RA factor

Positive CRP

**Diagnosis -** Diagnosed based on the symptoms described in Ayurveda and supportive lab parameters

Final diagnosis - Amavata

# Therapeutic focus

# A. Amapachana

1. Simhanada Guggulu: 2-2-2 tablet, 10 Days.

2. Ajamodadi Choorna: 2.5gm-0-2.5gm, 10 Days.

3. Gandharvahastadi Taila 200ML: 10ml-0-10ml,10 Days.

4. Amrutottara Kashaya: 15gm-0-15gm, 10 days.

**B. Vicharaniya Snehapana -** Guggulutiktaka Ghrita was prescribed, with instructions to take it with lukewarm water, sipped slowly, and avoid exposure to cold air and wind.

Day	Dosage	Time of administration	Snehajeerna Kala
1	30ml	7 am	9 am
2	30ml	9.30 am	12 pm
3	30ml	9 am	12 pm

Snehapana Jeerna Lakshana - a. Shiroruja Shamana, b. Shareera Laghuta, c. Vatanulomana, d. Kshuda Utpatti e. Pipasa Utpatti f. Udgara Shuddhi[4,5]

- C. Valukasweda[6] Day 1, Day 2, Day 3 given.
- D. Bastikarma Yogabasti Kshara Basti

Anuvasana Basti - Guggulu Tiktaka Gritha (40ml) + Sukumara Gritha (40ml)

Niruha Basti - Ingredients - Saindhava (15gm), Madhu (80gm)

Sneha - Guggulu Tiktaka Gritha 40ml + Sukumara Gritha 40ml

Kalka - Shatapushpa 10gm + Rasna 10gm + Ajamoda 10gm

Kwatha - Erandamooladi Kashaya 200ml

Gomutra - 100ml

Day	Basti	Dose	Retention time
4	Anuvasana	80ml	2hr 15 min
5	Niruha	460-480ml	7 min
	Anuvasana	80ml	2hr 30 min
6	Niruha	460-480ml	5 min
	Anuvasana	80ml	2 hr
7	Niruha	460-480ml	8 min
	Anuvasana	80ml	2 hr 30 min
8	Niruha	460-480ml	8 min
	Anuvasana	80ml	2 hr 30 min
9	Anuvasana	80ml	2 hr 45 min

Oral medications - taken all through admission

- 1. Simhanada Guggulu 2-0-2 b/f
- 2. Ajamodadi Churna 1tsf-0-1tsf b/f
- 3. Gandharvahastadi Taila 5ml-0-5 ml
- 4. Amrutottara Kashaya 15ml-0-15ml b/f
- **5. Pathyapatya** Patient was advised to take lukewarm water and to avoid exposure to excessive wind, sunlight, emotional disturbances. Liquid, warm light diet like *Ganji*, vegetable soups. Morning
- Yavagu, Afternoon Chapati Kichadi, Evening Vegetable soup, Night Kichadi

For major complaint of blurring of vision (left eye) referred to *Shalakya* department diagnosed as optic neuritis - under treatment

Observation of each step of treatment -

- **1. Observation of** *Amapachana* **-** Appetite improved, gained 2 kg of weight. Joint stiffness and pain reduced
- **2. Observation of Vicharaniya Snehapana -** Morning stiffness started reducing from day 1 itself
- **3. Observation of** *Valuka Sweda* **-** local joint swelling and pain reduced, mobility improved.

#### 4. Observation of Basti Karma -

Sign and symptoms	Before treatment	After treatment
Swelling	+++	Nil
Pain	+++	Nil
Stiffness	+++	Nil
Tenderness	+++	+ (only in ankle joint)
Crepitus	++	+ (only in ankle joints)
Range of movement	Restricted	Improved
Appetite	Decreased	Improved
Bowel	Constipated	Regular

**5. Pathyaapathya** - Patient was feeling light with proper digestion and bowel movements

### Advice on discharge:

- 1. Simhanada Guggulu 2-0-2 b/f
- 2. Ajamodadi Churna 1tsf-0-1tsf b/f
- 3. Guggulutiktaka Gritha 15ml-0-15ml b/f
- 4. Avipattikara Churna 1tsf-0-1tsf b/f

## Mode of action of drugs

SimhanadaGuggulu-Agnideepaka,Kaphavatahara,Amapachaka,Shoolahara,Shothahara[8]GuggulutiktakaGritha-Agnivardhaka, Tridoshahara.

**Ajamodadi Churna -** Agnideepaka, Srotoshodhaka, Shoolahara, Shothahara.

Avipattikara Churna - Agnideepana, Vibandahara

**Ajamodadi Churna -** Agnideepaka, Srotoshodhaka, Shoolahara, Shothahara.

**Gandharvahastadi Kashaya -** Agnideepaka, Malashodhaka.

**Amrutottara Kashaya -** Agnideepaka, Rechaka, Jwarahara[7]

# Result

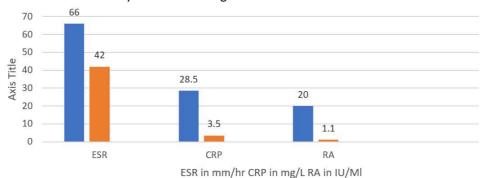
### **Subjective Outcome - Symptom wise**

Chief complaints and Associated complaints	Pre-treatment suffering period/ with intensity	Response time to treatment/with Intensity
Ubhaya Jaanusandhi Shoola and Shotha with Raga	Since 1 year/severe	1month / Nil
Ubhaya Gulpha Sandhi Shoola and Shotha	6months/severe	1month / Nil
Tenderness/ Pain on deep press over joint areas	1year/sever	1 month / moderate (Over ankle joints)
Morning stiffness	6months / moderate	1day / nil
Sandhi Shaithilya	1 month / severe	1month / nil
Angamarda	15days / sever	1 month / nil
Agnimandya	1 year / moderate	1 week / nil
Low grade fever	1year / moderate	1week / nil

# Objective outcome - Signs wise based on Pariksha done

Darshana	Sparshana Pariksha	Prashna Pariksha
1. BT - Vikruti: Dosha-Vata Kapha pradhana-	1 Nadi - BT Vata Pradhana 80/m fast. AT-70/m-moderate	1. BT - Vikruti: Dosha-Vata Kapha pradhana-
vriddha Tama +++. AT - Vriddha +	speed.	vriddha Tama +++, AT - Vriddha+
2. BT - Dooshya -Rasa, Meda, Ashti. dushti tama	2. BT - Ushnata over affected Sandhi+++. AT- Ushnata	2. BT - Dooshya - Rasa, Meda, Ashti. Dushti Tama
+++. AT- Dushti +	Nill	+++, AT - Dushti +
3. Satwa: BT - anxiety+++. AT- anxiety +	3. BT - Sparsha Asahishnuta (tenderness) over affected	3. Satwa: BT-anxiety+++. AT- anxiety +
4. Pramana: Madhyama (BT 54 KG) - 51 KG (AT)	joints+++, AT-+	4. Aharasakti: Madhyama BT - less AT - Improved
5. Jihva BT - Liptata +++ AT- liptata Nill	4. Sandhi Sputhana - BT +++, AT +	5. Vyayamasakti: BT - Avara +++, AT - Avara +

### Analysis of Hematological Test



■BT ■AT ■Column1

### Evidence based approach

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S	6N	Pratyaksha Pramana	Anumana Pramana	Aptopadesha / Shabdha Pramana
1	Prakriti Pariksha	Rogi - Roga Pariksha (Akrithi, Varna,	Prakriti Pariksha, Rogi-Roga Pariksha (Ahara Shakthi,	Amavata is Sandhiashritha and Amashaya
	Shotha and Sho	ola Pariksha)	Vyayama Shakti, Agni)	Ashrita Yapya Vyadhi

## Follow-up

### 1st follow-up

Adhered to the prescribed *Pathya* and medications, resulting in:

- No recurrence of primary and associated symptoms
- Improvement in lab parameters (ESR, CRP, RA test)
- Reported mild facial swelling in the morning, likely due to cold exposure

- Amritha Prasha added to their treatment regimen
- Continued Shalakya treatment for Optic Neuritis, indicating ongoing care for eye health

### 2nd follow-up

Strictly followed prescribed Pathya and medications

- Experienced no recurrence of primary and associated symptoms
- Noticed a reduction in facial swelling, particularly in the morning

- Discontinued Amritaprasha Gritha
- Continued Shalakya treatment for Optic Neuritis, indicating ongoing care for eye health

# Discussion

According to Chakradatta, the Chikitsa Siddhanta of Amavata is Langhanam (through wholesome diet and regimens), Swedanam (Valuka Sweda, Ushnopachara) Tiktham Deepanani Katuni (Ajamodadi Churna + Guggulu Tiktaka Gritha), Virechanam (through Avipattikara Churna) Snehapanam (Guggulutiktaka Gritha-Vicharana Snehapana), Basti (Kshara Basti) is mentioned as Prashasta i.e., ideal approach.[9]

The application of all these stages of ideal approach has been implemented in best possible way in the present case. During *Amapachana* stage, appetite improved, gained 2 kg of weight with moderate reduction in Joint pain and stiffness we could able to witness the stabilization of *Agni* sooner in *Amapachana* stage itself with regression of symptoms of arthritis even after withdrawal of steroid and other related medications. During *Vicharaniya Snehapana*, Morning stiffness started reducing from day 1 itself and this improvement remained consistent all through the treatment. *Valuka Sweda* supported to reduce pain, swelling and improve mobility in ankle joint.

After Shodhana i.e., Basti Karma near normal improvement has been found in symptomatology. stiffness, swelling, morning stiffness, tenderness, crepitus reduced in joints. Range of movement in joints improved after Shodhana. Appetite, Bowel movement, sleep and overall general health improved significantly after Shodhana, Samsarjana and Rasayana therapies. All through the treatment stages patient withstood the spirit of following Pathyapathya, which supported speedy recovery. A significant result was noted after treatment in terms of laboratory parameters, such as reduction in level of RA factor from 20iu/MI to 1.1iu/MI and CRP from 28.5mg/L to 3.5mg/L and ESR from 66mm/hr to 42mm/hr. Steroid and other related medications were withdrawn from her routine in the beginning stage of Snehapana itself. No any complication was found during the treatment. As she started losing the vision of her left eye due to consistent usage of steroid medications for last 1 year,

Patient and their attendees were happy to notice the positive change in terms of regression of symptoms and withdrawal of steroid medications and it was the most needed change they were eagerly waiting for. The overall physical, mental and social wellbeing was observed proving significant efficacy of principal based holistic approach of *Ayurveda*.

# Conclusion

The present case is of consistent low-grade fever with Ama expressed in joints with excruciating pain caused due to Agnimandya. It is a classical disease of Koshtha- Abhyantara Rogamarga, diagnosed as Rhuematoid arthritis with Rheumatic fever in contemporary science. Agni restoration is a critical aspect of treatment that demands judicious approach by health care professionals. So stabilizing Agni is the game change task in such cases has been tried to achieve judiciously in the present case with the help of all stages of ideal approach. Education and awareness about the condition, combined with wholesome lifestyle choices and minimal medication, can help individuals develop a positive mindset and overcome challenges. Gnyana Buddhi Pradeepena Yo Na Aavishati Tatwavit (Charaka Sharira) - An efficient physician who never accomplish/understand the perceptions of a patient which led to his/her unhealthy states with the light of knowledge offered by Shastra, is never considered a treatment at all. Because at the very core of wrong perceptions the seed of disease persists.[10] Unless and until each sufferer roots down to the causes and triggers of their sufferings, cannot seriously look into their respective solutions seriously. Maintaining this positive balance of looking into the problem to its core by the patient and the attendees is enforced by educating them at every level of treatment. The awareness in terms of nature of the problem they are suffering, methods to implement in terms of wholesome food, routine minimal medications and proper company all through to keep up the right perception towards the problem are necessary steps to follow, to be on the winning side of the game always.

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