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Case Study

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MANAGEMENT OF VICHARCHIKA (PHOTODERMATITIS) WITH THE COMBINATION TREATMENT (SHODHANA & SHAMANA) THROUGH AYURVEDA – A CASE STUDY

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ABSTRACT

Background: Contact dermatitis is one of the most common skin disorders. The word Photodermatitis is described as, Photo means "light" and Dermatitis indicates "inflammation" of the skin. Photodermatitis symptoms and signs are linked to *Vicharchika*, a form of *shudra kushta* in Ayurveda. The Ayurveda therapy in photodermatitis with the help of special treatment modalities gives long-lasting results and also prevents recurrence. The present case report depicts the effect of the combination of Ayurvedic therapy (*Shodhana & Shamana*) on *Vicharchika*. **Material & Method:-** The present study deals with the case of 42 yrs female who came to OPD of Kayachikitsa having complaints of blackish discolouration after coming from outside, itching & swelling over bilateral upper limbs. Patients were diagnosed with *Vicharchika* that is can be correlated with

Photodermatitis and the treatment was given accordingly such as Shodhana (Body purification treatment), Shamana (Alleviating treatment) & Sthanik chikitsa. **Results:**-Patient got relief from the symptoms. **Conclusion:**- Better results can be achieved in Vicharchika by a combination of Ayurvedic Modalities like Shodhana Chikitsa and Shaman Chikitsa along with Bahirparirmarjana Chukitsa (External application)

KEYWORDS: Kshudra kushta, Photodermatitis, Vicharchika.

INTRODUCTION

Photodermatitis, also known as sun poisoning or photoallergic dermatitis, is a type of allergic contact dermatitis in which the allergen must be activated by light to sensitize the allergic response and create a rash or other systemic consequences when exposed repeatedly.^[1] It causes a variety of photo dermatoses by definition, and it's also used to treat some of them as well as a variety of other skin conditions. There are 3 convection wavebands UVC (280-300nm), UVB (300-320nm), and UVA (320-400nm). Both UVB & UVA may induce rashes in individuals who have delicate, thin skin & in the majority of instances both wavebands are active. The rash is caused by exposure to the sun. The face, nose, and cheeks (but omitting the eyelids, an area under the chin, and an area in the shadow of the nose), as well as the dorsal of the forearm and the hands, will be affected by the sun.^[2]

Ayurvedic Samhitas define *Vicharchika* (dermatitis) as a form of *Shudra Kushta* (Psoriasis). *Kandu* (itching), *pidaka* (eruptions), *shyava* (blackish discolouration), and *bahusrava* (oozing) are the key indications and symptoms of *Vicharchika* as described by Acharya Charaka. Photodermatitis may be linked to Rupa, which was given by Acharya.^[3]

Vicharchika is a *Kapha* condition in which *Kapha* accumulates and aggravates in the *Annavaha Srotas*, overflows in the *Rasavaha and Raktavaha Srotas*, and relocalizes in the *Mamsavaha Srotas*, resulting in swelling, itching, and exudate, according to Acharya Charaka. According to proportional variation, association, and position of *Doshas*, different forms of *Kushtha* (Psoriasis) with comparable causal elements have different presentations in terms of pain, colour, symptoms, effects, name, and therapy. All skin diseases are *Sannipatika* by nature, according to Acharya Charaka, but the presentation varies depending on the dominance of specific *Doshas*.^[4]

Case Details:- A 42 yrs old females patient approached with complaints of hyperpigmentation(*shyava*), burning sensation (*Daha*), swelling over both upper extremities itching over the area(*kandu*). since 6-7 days.

History:- the patient had the same symptoms 6 months before No H/O DM and HTN

Ashtavidha Pariksha

Nadi (Pulse) – 78/min Mala (stool) – Asamyak Jivha(tongue) – Saam Sparsha (touch) - Ushna Shabda (Speech) – Spashta Mutra (urine) – Samyaka Akruti (body proportion) – Madhyam Drik (eyes) – No pallor icterus

O/E

GC Fair, afebrile Pulse – 78/ min BP – 130/80mmHg

S/E

RS – AE = BS CVS – S1S2 (N) CNS – conscious & oriented P/ A – Soft & non-tender Stool – unsatisfactory

Personal History

Ahar –(diet) – Vegetarian Nidra (sleep) – disturbed due to a burning sensation Vyasan (habit) – Tea habit Occupation – a housewife who does farming work Bala – Madhyam Agni – Agnimandya

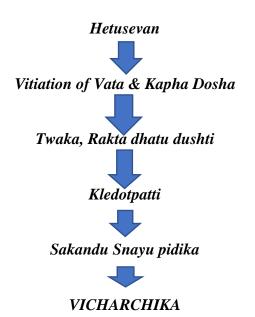
Skin Examination

Inspection – Shape – irregular shaped Colour – black Lesion – Plaque Palpation - Warmth in touch with rough texture Sign – Auspitz signs positive

Lab Investigation

Blood routine – Normal Rest other system findings as normal Samprapti Ghatak^[5]:- (pathogenesis) Dosha – Vata- Kapha Dushya – Ras, Rakta, Mamsa, Lasika Strotas – Rasavaha, Raktavaha, Mamsavaha Strotodushti – Sanchaya vrutti Udhbhavasthana – Twaka, Mamsa Vyaktasthana – Ubhaya hasta Pradesh Sadhyasadhyata – Sadya

Samprapti^[6]



MATERIALS AND METHODS

- Treatment plan given- Shodhana & Shamana Chikitsa were given to the patient
- When the patient approached OPD of Kayachikitsa Shodhana did -plan for Vaman first – 15 days
- After 15 days internal medication (shaman chikitsa) was given-for 2months
- After 2 months Virechana procedure was planned 15 days
- After 15 days internal medication (shaman chikitsa) was given---- for 2 months

• Total treatment was given 5 months

1) Shodhana Chikitsa

Shodhana chikitsa was given with Virechana karma in proper sequence of Purva, Pradhana,& Pashyat karma (Table no. 1 & 5)

2) Shamana chikitsa

Shamana chikitsa given using Arogyavardhini, Shatadhauta ghrita, Amalaki, Rasayana & 777 oil for local application.(Table no. 4)

| | Procedure | Medicine | Dose | Duration | Route |
|-------------------|---------------------------------------|--|--|---|------------------|
| | Deepana- pachana | Trikatu churna | 3gm-3gm before a meal with <i>koshna jala</i> | 3days | Oral |
| Purva Karma | Snehapana | Panchtikta ghrita | $1^{st} day- 30ml 2^{nd} day- 60ml 3^{rd} day- 90ml 4^{th} day- 120ml 5^{th} day- 150ml 6^{th} day- 180ml 7^{th} day- 200ml$ | 7 days | Oral |
| | Sarwanga snehana f/b Nadi sweda | Marichyadi tail dashmool decoction/ kwath | Sufficient quantity | 2 days after Snehapan | For Snehan |
| Pradhana Karma | Vaman | Madanaphala yoga | Antaranakha mushti matra | For 1 day (on 12 th day at morning after <i>snehapana &</i> <i>swedana</i>) | Oral |
| | Dhumapana | With Aguru stick | | 5-10 min | Both nostrils |
| Pashchat karma | Sansarjana karma | Peya, vilepi, akruta mudgayusha, kurta mudgayusha Normal diet | | 7 days | Oral |

Table no. 1: Showing protocol of Vaman.^[7]

OBSERVATION

| Table no. 2: 7 | Table showing | the evaluation | of Samyak | Vamana Lakshana. |
|----------------|---------------|----------------|-----------|------------------|
|----------------|---------------|----------------|-----------|------------------|

| Sr. No. | <i>Maniki Shudhi</i> (measurements) Ml | Antiki shuddhii (no. of vegas) | Vegiki Shuddhhi (symptoms) | Laingiki shudhhii (symptoms) |
|---------|--|-----------------------------------|----------------------------------|--|
| Vamana | Intake – 3000 Output - 3600 | Pittantaka Vamana | 8 | No bleeding, <i>Kaphachandrika</i> present in vomitus |

Table no. 3: Sansarjana Krama.

| Day | Morning | Evening |
|---------------------|------------------|-----------------|
| $1^{st} day$ | | Peya |
| 2 nd day | Peya | Peya |
| 3 rd day | Vilepi | Vilepi |
| 4 th day | Vilepi | Akrita yush |
| 5 th day | Krita yush | Krita yush |
| $6^{th} day$ | Akrita mamsa ras | Krita mamsa ras |
| 7 th day | Akrita mamsa ras | Samanya bhojan |

Table no. 4: Shamana aushadhi & Bahirparimarjana chikitsa.

| Sr.no. | Medicine | Dose | Anupana | Route | Duration |
|--------|---------------------------|---------------------------------|--------------------|--|----------|
| 1 | Tab. Arogyavardhini | 125mg 2 tab. Two times a day | Water | Oral | 1 month |
| 2 | Shatadhuta ghrita | L/A Two times per day | | External application | 1 month |
| 3 | 777 oil | At night | | External application | 1 month |
| 4 | Amalaki Rasayana | 1tsf twice a day after meal | Milk | Oral | 1 month |
| 5 | Triphala churna | Sufficient quantity | With warm water | External application for <i>Dhawan</i> | 7 days |
| 6 | Patolrohinyadi Kashaya | 20ml two times a day after meal | Warm water oral | Oral | 1 month |

Table no. 5: Showing the protocol of *Virechana*.

| | Procedure | Medicine | Dose | Duration | Route |
|-------------|-----------------|----------------------|---|----------|--------|
| Purva karma | Deepan -Pachana | Amapachaka vati | 500mg tab two times/day with <i>koshna</i> <i>jala</i> | 3days | orally |
| | Snehapana with | Panchtikta ghrita | 1st day- 30ml 2nd day- | 7days | Oral |

| | | | 60ml 3rd day- 90ml 4th day- 120ml 5th day - 150ml 6th day- 180ml 7th day- 200ml | | |
|--------------------|-----------------------------------|---|--|---------------------------|----------------------|
| | Sarwang Snehana f/b Nadi Sweda | Marichyadi tail | Sufficient quantity | | External application |
| Pradhana karma | Virechana | Trivrutta leha & Triphala kwath | 40gm & 1500ml | 2 days after Snehapana | Oral |
| Pashchyat Karma | Sansarjana karma | Peya, Vilepi, akrita yusha, krita yusha | | 5days | Oral |

Table no. 6: Sansarjana Krama.

| Day | Morning | Evening |
|---------------------|------------------|-------------------|
| 1 st day | | Peya |
| 2^{nd} day | Peya | Vilepi |
| 3 rd day | Vilepi | Akrita yusha |
| 4 th day | Krita yusha | Akrita mamsa rasa |
| 5 th day | Krita mamsa rasa | Samanya bhojana |

Observation

Table no. 7: Table showing the evaluation of Samyak Virechan Lakshana.

| Sr. No. | Maniki shuddhi | Antiki shuddhhi | Vegiki shuddhi | Laingiki shuddhi |
|-----------|---|-------------------------|----------------|--|
| Virechana | <i>Trivrutta leha –</i> 40 mg Triphala kwath – 1500ml | Kaphantaka virechana | 12 | No dehydration samyaka virechana done |

OBSERVATION AND RESULTS

Gradation^[8]

1) Vaivarnya (Deep Black reddish discolouration)

| Normal colouration | 0 |
|---|---|
| Near to normal which looks like normal colour to a distant observer | 1 |
| Reddish discolouration | 2 |

| Slight black reddish discolouration | 3 |
|-------------------------------------|---|
| Blackish discolouration | 4 |

2) Mandal (Erythema)

| Normal skin | 0 |
|---------------------------|---|
| Faint/ near to normal | 1 |
| Blanching + red colour | 2 |
| No blanching + red colour | 3 |
| Red colour + subcutaneous | 4 |

3) *Rukshata* (Dryness)

| No line while scrubbing with nail | |
|--|---|
| Faint line by scrubbing with nail | 1 |
| Lining & even words can be written by nail | |
| Excessive rukshata leading to kandu | 3 |
| Rukshata leading to crack formation | 4 |

4) Srava (Oozing)

| No srava | 0 |
|------------------------------|---|
| Mild srava after itching | 1 |
| Moderate srava after itching | 2 |
| Severe srava after itching | 3 |

5) Daha (Burning sensation)

| No daha | 0 |
|---------------|---|
| Mild daha | 1 |
| Moderate daha | 2 |
| Severe Daha | 3 |

6) Shoth (Swelling)

| No swelling | 0 |
|-------------------|---|
| Mild swelling | 1 |
| Moderate swelling | 2 |
| Severe swelling | 3 |

Observation & Results

| | Before | After |
|-------------------------------------|--------|-------|
| Vaivarnya (blackish discolouration) | ++++ | |
| Daha (burning sensation) | ++++ | |
| Shoth (swelling) | +++ | |
| Ruksha (dryness) | +++ | |
| Srava (oozing) | ++ | |
| Mandal (erythema) | ++ | |

DISCUSSION

Other Nidanas like Madya Sevana, Mamsa Sevana, Adhika Vyayama, Ratrijagarana, Adhika Chinta, and lead to Kushta. Chikitsa was offered based on the Lakshans and Nidanas such as Deepana, Pachana, Shodhana, and Vamana following the Purva karma, Pradhan karma, and Paschyat karma sequences, as well as Shaman oushadhi and Bahiparimarjan Chikitsa.

Shodhan Probable Mode of Action^[9] (Vamana karma & Virechana karma)

Dipana- Pachana was given with Trikatu Churna for three days in Purva karma. This is primarily an Agni Vardhaka Amadosha Nashaka.

For the objective of *Abhyantar snehan*, which pacifies *Vata Dosha, Snehapana* was given with *Panchatikta Ghrita* for 7 days.

In *Vicharchika*, it reduces *Kharata* (dry scaling), *Parushata*, and *Shyawa Varna* (whitish discolouration). *Sarvanga Abhyanga* was performed using a *Marichyadi tail*. It has antiseptic, antifungal, anti-inflammatory, The anti-immunomodulatory property primarily lowers skin dryness and hydration while also improving blood circulation.

In the form of *Nadi Swedan, Sarwanga swedan* is given. It transports the doshas from *Shakha to koshta*, allowing them to be eliminated & clears *the strotas* of blockage also.

Vamana (purification method) is advised for *Kapha* predominant sickness in Samhitas, while *Vicharchika* (dermatitis) is a *Kapha* predominant variety of *Kushta* (Psoriasis). *Vamana* is a bio cleansing of the body that primarily boosts *Kapha doshanashaka* and *Agni* (digestive fire), improves the immune system, and aids in the prevention of disease reversal. *Agni Deepana* is being worked on by *Samsarjana Krama*.

Vata Dosha increases after the *Vamana* process; to avoid increased *Vata Dosha*, *Abhyanter Snehana* is recommended in *Kushta*, hence *Shamana Sneha* with *Panchatikta Ghrita* is provided. Because *Kushta* is *a Raktaprdoshaj Vikar* described by Acharya Charak, special attention to *Raktadhatu* is required when treating it. The primary sites of *Rakta Dhatu* formation are *Yakrita and Pleeha*. *Vasa (Justica adhatoda), Nimb (Azadirachta indica), Patola(Trichosanthes dioica),* and *Amrita(Tinospora cordifolia)* have hepatoprotective properties. These medications work on the *Rakta Dhatu's* development site, disrupting *Kushta's* underlying pathophysiology. These medications have a potent antiproliferative

effect on T-cells, which play an important part in the aetiology of psoriasis, as well as reducing keratinocyte growth.

Virechana relieves vitiated *pitta dosha* and aids in the elimination of vitiated *Kapha dosha*. It also corrects *dushit rakta dhatu*, which causes *vatanulomana and strotoshodhana*, reducing burning, oozing, and itching pain. *Virechana* is a natural cleansing agent that clears transportation pathways. Many fluids will be expelled, which may aid in the reduction of inflammatory mediators and therefore symptoms.

Panchatikta Ghrita's mode of action^[10]

Because *Kitibha Kushta* is considered *a Kshudra Kushta, Kushtahar* medicines, as well as immunity-boosting therapies, may be effective for this morbid disease. Bhaishajya ratnavali, *Kushtaadhyaya* explains *Panchatikta Ghrita. Kushthaghna* is present in all of the constituents. *Ghrita is Vata pitta Shamaka, Tvachya*, and has the unique ability to absorb the qualities of other substances when they are given to it. As a result, *Panchatikta Ghrita* is more effective.

Arogyavardhini vati

It is mostly used in *Kushta roga* as a herbomineral composition. The *Kutaki(Picrorhiza kurrooa)* is the main element in *Arogyavardhini Vati* and also Triphala (haritaki, Amalaki, Bibhitaki), *Shudha shilajit, Shudha guggul(Commiphora Mukul), Eranda(Ricinus communis),* and minerals such as *Shudha Parada (purified mercury), Shudha Gandhaka* (purified sulphur), Lauha bhasma (an iron compound in ash form), *Abhraka bhasma* (mica in ash form), and Tamra bhasma (copper compound) are (*Azadirachta indica*)

Patra swarasa, As a result, *Arogyavardhini Vati* has *pitta virechana*, *Tridoshashamaka*, *deepana*, *pacahana*, *kushtaghana*, *and kandughna* qualities. As a result, it aids in dosha balance and causes *agnivardhana*, *bhedana*, *malashodhana*, *and vatanulomana*. Because it contains *kushtaghna and kandughna*, it aids in the relief of symptoms as well as the breaking of the disease's *samprapti* (pathology).

| Patol | Trichosanthes dioca | |
|------------|-----------------------|-------|
| Katurohini | Picrorrhiza kurroa | |
| Chandana | Santalum album | |
| Madhusrava | Marsdenia tenacissina | 1part |
| Guduchi | Tinospora cordifolia | |
| Patha | Cycle peltate | |

Patolrohinyadi Kashaya

In the *ashtanga hrudaya, Patoladi Kashaya* is referenced under the *Shodhnadi gana*. It contains *tikta ras dravyas*, which help in *raktadhatu prasadhana* by soothing the vitiated *Kapha and pitta doshas*. It has *kushtaghna, jwaraghna*, and *vishghna* qualities. It relieves itching, discolouration, and burning sensations in a variety of skin conditions. It can also help with liver detoxification. The liver is a crucial organ for *Raktadhatu* and good functioning. It has a *Amapachana and Agni vardhana* properties, which help digestion and stimulate hunger.

777 oil

It's popular in the *Kushta* (Psoriasis). Because of their calming effects, *Shweta indrajao* (*Wrightia tinctoria Roxb.*) and *Narikela* (*Caicos Nucifera L*) are used as moisturizers. Skin thickness, itching, dryness, red spots, and silvery scales are all symptoms of *Kushta* (Psoriasis). Both substances work well to relieve dryness, irritation, tenderness, and swelling. It softens the skin and decreases its width. It has anti-inflammatory, ant pruritogenic, antiulcerogenic, and demulcent properties. It's used to treat all varieties of psoriasis, as well as dry skin, dandruff, and fungal infections.

Triphala kwath

It is readily available and reasonably priced. *Haritaki(Terminalia chebula)*, *Amalaki(Emblica Officinalis)*, and Bhibhitaki(Terminalia bellirica) are all found in Triphala. It has antiinflammatory, antiviral, antibacterial, antioxidant, and antioxidant properties, as well as astringent properties. It has *Krimighna* (homicidal) and *Vranaropaka* (wound healing) characteristics, according to Ayurveda.

Dhawan is another type of *Prakshalana* (cleaning). *Triphala Dhawan* aids in the reduction of inflammation, itchiness, and leakage.

Amalaki Rasayana

The fruit Amla (Phyllanthus Emblica/ Emblica Officinalis) is used to make Amalaki Rasayana. The fruits of Amla, which are extensively employed in Ayurveda, help to

strengthen the body's defences against sickness. Antioxidant, antipyretic, analgesic, immunomodulatory, cytoprotective, antitussive, and gastroprotective properties are all found in *Amalaki rasayan*.

Shatadhauta ghrita

It has *sukshma*, *Madhur rasa*, *Sheet Veerya*, *Madhur Vipaka*, *and dahashamak* characteristics. It functions as a *Vranaropak* (wound healing)).

Shatdhaut ghrita has all of the aforesaid *pitta shaman* qualities. As a result, it successfully relieves *Vicharchika's* indications and symptoms. Furthermore, *ghrita* is a well-known immune booster, and it is this quality of *Shatdhaut ghrita* that contributes to an increase in local cell immunity. This is the underlying cause of symptom recurrence in individuals treated with *Shatdhaut Ghrita*. *Ghrita* is high in vitamins A, D, E, and K. Vitamins A and E are antioxidants that protect the body from oxidative damage. Vitamin A protects the body's epithelial tissue. It also contains 4-5 per cent linolenic acid, an essential fatty acid that helps the human body grow properly. Because of *ghrita's* lipophilic activity, it can be transported to a target organ and then delivered to the mitochondria, microsome and nuclear membrane inside the cell.

CONCLUSION

Vicharchika is becoming more and more common every day. *Shodhana and Shamana* therapies are used in Ayurvedic medicine to treat *Vicharchika*. *Shodhana therapy* is widely used in treatment because it aids in the correction of the basic pathogenic elements of *Pitta* and *Rakta*. *Vamana* as well as *Virechana Karma* appears to play a vital role in the prevention and cure of *Vicharchika*, according to several research findings. It's important to remember that *Shodhana & shaman* therapies aren't just a cure for psoriasis; it's also preventative measures.





Before treatment After Treatment

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