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Case Report

Tamaka Swasa

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Role of Sadyo Vamana in Tamaka Swasa - A Case Study

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Swasa (Asthma) is one among Pranavaha Srothodusti Vikara. Tamaka Swasa (bronchial asthma) is one among the 5 types of Swasa. A 44-year-old female patient comes with complaints of difficulty in breathing and wheezing sounds. This case was diagnosed as Tamaka Swasa. As the Doshas are in the Utklishta Avastha (excited state), Asnehapoorvaka Vamana with Pippali (Piper longum) Saindhavajala (Rock-salt, water) in Vega Avastha was implemented and significant improvements were seen. After 1 month of follow-up no recurrence have been reported.

Keywords: Tamaka Swasa, Asnehapoorvaka Vamana, Pippali Saindhava Jala, Dhoomapana, Bronchial Asthma

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Introduction

Tamaka Swasa is among five types of Swasa and one among the Pranavaha Srothodushti Vikara. "Tama" means - अंधकार (darkness). During the attacks, the patients feel as if they are entering darkness. Tamaka Swasa is having symptoms such as Peenasa (Rhinitis), Gurghuraka (wheezing sound), Teevra Vega (fast breath)[1], Moha (unconscious), Aruchi (anorexia), Trushna (thirst). In Swasa, there are mainly three factors Karana, Sthana, Moola.[2]

Karana is *Bahya Karana* (external factor) which includes *Raja*(dust), *Dhooma* (smoke), pollen etc. These enter the respiratory tract and release mast cells. After the rupture of mast cells, surfactants will be the released. These surfactants engulf the foreign body causing the production of cough reflux and plugs the respiratory tract to produce abnormal breathing sounds. *Sthana*, which include *Nabhyadi*, can be understood in terms of cardiac, renal and pulmonary problems. *Dosha* can be understood in terms of predominance of *Dosha*. Bronchial Asthma is a chronic inflammatory disorder of the airways, associated with recurrent episodes of wheezing, breathlessness, chest tightness and coughing, particularly at night and in the early morning.[3]

Paroxysm attacks can last for days to months which results in sleepless nights, thus disturbing the normal lifestyle of the person. The available treatment in modern medical science are bronchodilators, steroids, even in the form of inhalers and leukotrienes modifiers[4], anti-tussive, expectorants, demulcent's etc. can be used as instant or symptomatic relief in Bronchial asthma. The pathophysiology of lung diseases is mainly of two types namely, constrictive and restrictive. Asthma is constrictive. The disease originates from Pitta Sthana, which gets localised in Kaphasthana and is characterised by dominance of Kapha and Vata Dosha.[5]

Case Report

A 44-year-old female patient comes with chief complaints of difficulty in breathing and wheezing sounds for the past 6 years which aggravated in the last 10 days. It is also associated with fever, headache, tiredness and severe cough with sputum and inability to sleep in the past 10 days.

History of Present Illness

Patient was apparently normal before 6 years. One day she got fever, running nose, difficulty in breathing and nausea. For this, she consulted a nearby physician and took some medication [details unknown] which reduced symptoms temporarily. After that she started facing breathing difficulty and cough with expectoration repeatedly which often worsens at night and during cold seasons. During those times, she took one cetirizine tablet and salbutamol syrup and managed symptoms. In November 2023, she had a severe episode of fever, cold, breathing difficulty, cough with expectoration and sleep disturbance. For these complaints, she was admitted to Kaveri hospital, Bangalore. They gave injections, nebulisations and oral medicines [details unknown] which gave some relief. For past 10 days, she has been suffering from difficulty in breathing and wheezing sounds along with fever, head ache, tiredness and severe cough with sputum and disturbed sleep. For same complaints, patient consulted at Sri Kalabyraveshwara Swamy Ayurvedic Medical College Hospital and Research Centre and was admitted on 03/10/2024

Treatment History

She was taking cetirizine tablet and salbutamol syrup during the episodes in the past 6 years

Past History

K/c/o bronchial asthma in the last 6 years n/k/c/o diabetes, hypertension and thyroid dysfunction.

Personal History

Occupation - self-employed [working in an airconditioned room]

Diet - mixed / Sama Ahara

Habits - Coffee 3-4 times/ day. No alcohol or smoking.

Examination

Table 1: Assessment of General condition

Appetite	Reduced	
Bowel	Regular, once/ day	
Micturition	Normal	
Sleep	Disturbed	

Family History

All family members are healthy.

Respiratory System

Inspection

Symmetry - Bilaterally symmetrical. No scar, No swelling, No discoloration. Accessory muscles - sternocleidomastoid muscle used Type of breathing - Thoraco-abdominal breathing

Respiratory rate - 24/minute

Palpation

Tenderness - Absent Position of trachea - centrally placed Vocal fremitus - bilaterally symmetrical

Percussion

Resonant over lung field. Cardiac and hepatic dullness noted.

Auscultation

Wheeze - present [right upper more than left] Vocal resonance - bilaterally symmetrical Respiratory rate - 24/minute

Ashtasthana Pareeksha

Nadi (pulse) - 68 b/min - Vataja Mala (stool) - Once a day Mootra (urine) - 3-4 times/day Jihwa (tongue) - Liptha Shabda (speech) - Difficulty in talking Sparsha (touch) - Ushna Druk (eyes) - Doosara Varna Akruthi (built) - Madhyama

Materials and Methods

Source of data: Patient suffering from *Tamaka Swasa* approached the O.P.D of SKAMCH&RC, Bangalore. IP No: L 36915.

Study design : A single case study

Assessment: Assessment was done based on signs and symptoms [6] of the *Tamaka Swasa*/Bronchial Asthma.

Treatment

- Sthanika Abhyanga with Brihat Saindhavadi Taila for 5 days
- Sthanika Nadi Sweda with Dashamoola Qwatha for 5 days
- Sadyo Vamana with Pippali Saindhava Jala for 1 day followed by Dhoomapana with Haridra Kaanda

Table 2: Symptoms before Treatment

Criteria	Present /Absent
Breathlessness	Present
Paroxysm of breathlessness	Present
Wheezing/ Ronchi	Present
Cough	Present throughout the day
Expectoration of sputum	Present
Nasal symptoms	Present
Tightness in chest	Present
Night symptoms like waking in night	Present
Others 1) Body position	Sitting preferably
2) Respiratory Rate	24/ min.

Table 3: Vamana chart

Time	Aushadha	No of	Time	Vega	Contents
		glass			
6.20	Pippali Saindhava Jala	5	6.29	1 Vega	Pippali Saindhava
am			am		Jala + Kapha
6.30	Pippali Saindhava Jala	6	6.38	1 Vega	Pippali Saindhava
am			am		Jala + Kapha
6.41	Pippali Saindhava Jala + 1	6	6.50	1	Pippali Saindhava
am	pinch Madana Phala Choorna		am	Upavega	Jala + Kapha
6.54	Pippali Saindhava Jala	2	6.57	1	Pippali Saindhava
Am	+ 1 pinch Madana Phala		am	Upavega	Jala + Kapha
	Choorna				
7.02	Pippali Saindhava Jala	2	7.06	1	Pippali Saindhava
Am	+ 1 pinch Madana Phala		am	Upavega	Jala + Kapha
	Choorna				
7.10	Saindhava Jala	4	7.16	1 Vega	Saindhava Jala +
Am			am		Kapha
7.18	Saindhava Jala	4	7.23	1 Vega	Saindhava Jala +
Am			am		Kapha

Total no of Vega = 4Total no of Upavega = 3

Result

Table 4: Symptoms Before and After Treatment

Criteria	Before treatment	After treatment
		(next day)
Breathlessness	Present	Mildly present
Paroxysm of breathlessness	Present	Absent
Wheezing/ Ronchi	Present	Absent
Cough	Present throughout the day	Reduced
Expectoration of sputum	Present	Absent
Nasal symptoms	Present	Absent
Tightness in chest	Present	Absent
Night symptoms like waking	Present	Absent
in night		
Others 1) Body position	Sitting preferably	Comfortable with
		all postures
2) Respiratory Rate	24/ mint	18/ mint

Discussion

The management of Swasa depends upon the Dosha predominance. Here the main Doshas are Vata and Kapha. There are 4 types of patients mentioned by Acharya Charaka like Balavan (Strong), Durbala (weak), *Kaphadikya*, *Vatadikya*.[7] When the patient is Balavan along with Kaphadikya, Shodhanas like Vamana and Virechana can be administered. The available treatment in modern medical science like bronchodilators, steroids, even in the form of inhalers and leukotriene modifiers along with these anti-tussive, expectorants, demulcent's etc. can be used for instant or symptomatic relief in Bronchial asthma. Terms mentioned by Charaka like Kapha Nissaraka can be correlated with expectorant, Khani Mardavam Ayathi or Srotho Mardavakara with demulcent. Along with that, in Tamaka Swasa, Vimokshanthe Muhurthe Labhate Sugam[8] is mentioned i.e., after expelling out Kapha, there is a sudden relief of symptoms and therefore, Sadyovamana was planned.

Discussion on Chikitsa Sutra

The Swasa and Kasa (cough) patient is treated with Lavana Taila Abhyanga followed by Nadi, Prasthara or Sankara Swedana[9] (types of Swedana). By means of Swedana, the Grathitha Kapha Vilayana (liquification) will happen. Srothaavarodha (obstruction) is relieved and proper Vatanulomana occurs, just like the liquification of snow by the heat of sun rays in hilly regions.[10] In this condition, Vamana can be administered with Pippali, Saindhava etc which are Vata Avirodhini.[11] The patient who has Kasa along with Swasa are to be treated with Chardhana (vomiting).[12]

Discussion on Brihat Saindhavadi Taila

Charaka mentioned the benefits of *Lavanopahitha Sneha***[13]** (*Sneha* with salt) which acts in short period of time. It also has *Sookshma Guna* (minuteness) and therefore it has greater penetration power. *Taila* is having *Ushna Guna* (hotness) and act on *Vata Dosha* without hampering *Kapha*. Hence *Brihat Saindhavadi Taila* is the best choice for *Abhyanga* (Oil massage). *Acharya Sushrutha* explains *Abhyanga*'s mode of action as the *Veerya* (potency) of drugs absorbed by skin.

Discussion on Nadi Swedana

Swedana helps to liquify the *Kapha* and helps with easy evacuation.

Due to *Swedana*, the drugs will penetrate inside via capillary dilation, causing increased circulation leading to waste expulsion.

Discussion on Sadyo Vamana

In Jwara Chikitsa[14] it is mentioned that, if Doshas are in Utklishta Avastha, Sadyo Vamana can be advised. According to Acharya Sushruta, the Lakshana of Utklesha Avastha is Praseka (watering of mouth) and Shteevana (spitting). By considering all these, Sadyo Vamana can be advised in Vega Kaleena Avastha (during the attack). The main aim for Snehapana (internal oleation) is to do the Utkleshana of the Dosha, but here, already Doshas are in Utklishta Avastha, therefore Snehapoorvaka Vamana is not needed here. In the same context, Chakrapani has mentioned that when Doshas are already in Utklishta Avastha, Snehana and Swedana is not needed or can be done in mild form. There is a reciprocal relationship mentioned as "वातकद्वा कफहरं कफकृद्वाऽनिलापहम्।".[15] So, when we need direct Kapha Harana (pacification of Kapha) effect, we can directly plan for Sadyo Vamana.

- Discussion on Paschat Karma
- Mukha Pani Pada Prakshalana (washing of face, hands, legs) - for Srama Haranartha (to relieve tiredness)
- Kavala (gargling) to remove the Upalepa (coating) in the mouth
- Dhoomapana[16] (medicated smoke inhalation)

 According to Acharya Charaka, to remove the Sheshsa Dosha (remaining Dosha) and Leena Dosha (concealed Dosha), Dhoomapana is advised.

Dhoomapana Types	Types of Yoga	
Prayogika	Samyak yoga	
Vairechanika	Ayoga	
Snehika	Athiyoga	

 Thamboola Sevana (chewing betel leaves) - Eka Patram Dwipoogam Khadira Choorna Sammitham

Astanga Sangrahakara specifically mentions Tamboola Sevana with areca nut. It contains arecoline, arecaidine which help to prevent super infection as well as for Kapha Pitta Shamaka. Khadira has the properties like antimicrobial, antibacterial and anti-inflammatory property. It balances Kapha and Pitta.

Discussion on Samsarjana Krama

Peya (thin rice gruel) should be avoided here as it is Kapha Vardhaka (which increase Kapha). Yusha (soup) is the choice eg: Kulatha Yusha[17] (horse-gram soup), Mudga Yushas (green-gram soup) can be advised to patient.

Conclusion

Sadhyo Vamana is an Athyayika (emergency) line of management in Vega Avastha of Tamaka Swasa. After proper understanding of Karana, Sthana and Moola, treatment has to be planned. During Vega Avastha, for the Utklishta Avastha Doshas, Sadhyo Vamana will be beneficial, but later Virechana, followed by Rasayana therapy will be more beneficial to treat the disease from the root cause. By adopting modification in diet, as well as lifestyle, will help in preventing the recurrence of the disease.

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