



Review Article

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A CONCEPTUAL STUDY ON SHATYADICHURNA IN THE MANAGEMENT OF TAMAK SHWASA (BRONCHIAL ASTHMA)

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Received on: 15/03/16 Revised on: 18/04/16 Accepted on: 07/05/16

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DOI: 10.7897/2277-4343.073105

ABSTRACT

The prevalence of Bronchial Asthma has increased over time and is increasing rapidly due to increasing environmental pollution produced by vehicles and industries. There are numbers of drugs in modern medicine to control the episode of attack symptomatically but still are unable to cure the Asthma and moreover they have many adverse effects. Ayurveda has described Tamak Shwasa which closely resembles with Bronchial Asthma and has described variety of herbal formulations to treat Tamak Shwasa without any adverse effect. The principle of Tamak Shwasa is based on Vata-Kaphahara treatment. Shatyadi Churna mentioned by Acharya Charaka for Shwasa Chikitsa, is adopted for the treatment of Bronchial Asthma.

Key words: Asthma, Bronchial Asthma, Tamak Shwasa, Shwasa, Shatyadi Churna

INTRODUCTION

The Disease emerges from highly complex interaction between factors intrinsic to the patient and environment. In today's environment there is so much pollution, which cannot be avoided because it is mostly produced by vehicles and industries. This environmental interaction is leading to many respiratory disorders among which one of the major distressing disease is Asthma which has been described in Ayurveda as Shwasa.

According to Ayurveda vitiated Pranavayu combines with deranged Kaphadosha in Strotas causing obstruction. This result gasping, labored breathing and respiratory distress. This condition is called as Shwasroga¹.

Tamak Shwasa is mentioned as one among five types of Shwasa. Acharyas stated that, Tamak Shwasa is Sadhya in the initial phase, and becomes Yapya in chronic condition or if not treated in early condition².

Bronchial Asthma mentioned in modern medicine closely resembles with Tamak Shwasa, is a major chronic airway disorder. It is characterized by inflammation of the airways, breathlessness, bronchoconstriction, wheezing, difficulty in excretion and feeling little comfort in erect posture etc.

NEED OF STUDY

- The global prevalence of Asthma is anticipated to be approximately 4.5 percent^{3, 4}. There are about 334 million patients with Asthma affecting all age groups, across the world⁵. India has an estimated 15-20 million asthmatics.⁶
- The prevalence of Asthma has increased over time and an additional 100 million people worldwide will be expected to develop Asthma by the year 2025⁵.
- In contemporary medical science, management of Bronchial Asthma is carried out with usage of bronchodilator, leukotriene antagonist, mast cell stabilizers and corticosteroids. Long lasting usage produces adverse effects

and also reduces the effectiveness of therapy⁷. So by this, contemporary medical science can only control the episode of attack.

- Ayurveda has described so many herbal formulations to treat Tamak Shwasa effectively without any adverse effect.

AIM

To evaluate the efficacy of Shatyadi Churna in the management of Tamak Shwasa.

DISEASE REVIEW

Etymology

Tamak Shwasa consists of two words viz. Tamak and Shwasa.

Tamak means Tamyati Tama – feeling of darkness

Shwasa means Inhalation and exhalation of air is Shwasa (Hema Chandra)

The Word Shwasa is used for both physiological and pathological states. Shwasa word is used to denote respiration and exchange of air in the body, physiologically. While pathologically Shwasa Roga may be defined simply as a disease in which the respiration and the exchange of air is disturbed.

In the Ayurvedic literature, Shwasa is classified into five major types. Out of these five; Maha Shwasa, Urdhva Shwasa and Chhinna Shwasa are described as Asadhya. Fourth type, Kshudra Shwasa is Sadhya which can be corrected even without medication. The remaining type 'Tamak Shwasa' is Sadhya initially and Yapya in chronic condition⁸.

Causative factors

The Nidana are mainly of two types.

1. **The Bahya Nidana** (Extrinsic factors) are Aagantuja Nidana that cause irritation in the body e.g. Raja, Dhuma etc. These are the environmental factors responsible for causation of the disease.

2. **The Abhyantara Nidana** or Nija Hetus are the intrinsic factors within the body. These are called the host factors. These can be taken also as Pradhana Karana like Doshas. In Tamak Shwasa, Kapha and Vata are the main Doshas.

Etiological factors also have been divided according to Ahara, Vihara and Nidanarthakara Roga.

Aharaj

Vataprakopaka: Ruksana (fat free diet), Visamasana (irregular diet), Sitasana (cold food), Visha Sevana (toxins), Sita Ambu (cold water), Vistambhi Bhojan (slowly digested food), etc⁹.

Kaphaprakopaka: Masa (black gram), Nispava (beans), Pinyaka (tila paste), Pistabhojan (paste preparation), Jalajamansa (aquatic fish), Guru Bhojan (heavy diet), Ama Kshira (unboiled milk), Dadhi (curd), Anupa Pisita, Tila Taila (sesame oil), Abhisyandi Anna, Slesmala Dravya etc⁹.

Viharaj: Raja (Dust), Dhuma (Smoke), Vata (wind), SitaSthana Sevana (to reside in cold place), Vyayama (exercise), Gramyadharna Sevana (over indulgence in sex), Atyapatrapana (malnutrition), Marmaghata (trauma over vital organ), Suddhi Atiyoga (excessive purification), etc⁹.

NidanarthakaraRoga: Apatarpana (under nutrition), Amapradosa (mal digestion), Anaha (distension of abdomen), Dhatusaya (emaciation), Pratisyaya (coryza), Chardi (vomiting), Jwara (fever), Atisara (Diarrhoea), Pandu Roga (anaemia), Daurbalya (weakness) etc diseases may cause the Tamak Shwasa⁹.

Purvarupa (Premonitory symptoms)

- In Ayurvedic texts, Purvarupa of Tamak Shwasa are not described separately so the Purvarupa of the Shwasa Roga may be considered as the Purvarupa of Tamak Shwasa.
- These Purvarupa are HridayaPeeda, Parsva Shula, Anaha and Prana Vilomatva¹⁰.

Rupa (Symptoms)

Some of the important symptoms which are very useful in the diagnosis are AtivaTivravegaShwasa, Ghurghurukam, Kasa, Asinolabhate Saukhyam, Muhurmuhur Shwasa, Lalate

Shatyadi Churna Yoga^{15,17}

Name of drug	Botanical name	Part used	Part
Shati	<i>Curcuma zedoaria</i>	Moola	1 part
Chorak	<i>Angelica glauca</i>	Pushpa	1 part
Jeevanti	<i>Leptadenia reticulata</i>	Panchanga	1 part
Tvak	<i>Cinnamimum zeylanicum</i>	Tvaka	1 part
Musta	<i>Cyperus rotundus</i>	Moola	1 part
Pushkarmool	<i>Inula racemosa</i>	Moola	1 part
Surasa(Tulasi)	<i>Ocimum sanctum</i>	Patra	1 part
Tamalaki	<i>Phyllanthus niruri</i>	Panchanga	1 part
Ela	<i>Eletteria cardamomum</i>	Bija	1 part
Pippli	<i>Piper longum</i>	Phala	1 part
Agaru	<i>Aquilaria agallocha</i>	Kashtha	1 part
Nagar	<i>Zinziber officinale</i>	Kanda	1 part
Balak	<i>Pavoni aodorata</i>	Moola	1 part
Sharkara	----	---	13*8=104 part

DISCUSSION

The prevalence of Asthma is increasing day by day due to urbanization, industrialization, air pollution etc. Most of the air pollutants are invisible and they affect the health.¹⁶ As the Tamak Shwasa is Vata and Kapha dominant disease¹², it should be treated with the Dravyas with opposite Guna and Karma. Most of the ingredients of Shatyadi Churna possess Katu, Tikta, and Kashay Rasa; Laghu and Teekshna Guna; Ushna Virya; Deepan-Pachana Karma and Vata-Kaphaghna effect.

Mode of action of Shatyadi Churna

Doshghnata: Most of the drugs of Shatyadi Churna Yoga are Vata-Kapha Shamaka.¹⁷

Swidyata, Meghambu Sheeta Pragvate Vridhi, Uddhavansate Kantha, Kruchchhat Shaknoti Bhashitum etc¹¹.

Samprapti (Pathogenesis)

- When "PranaVayu" is not performing its normal physiological functions (vitiated) and becomes defiles (Viguna), obstructed by Kapha and moves in opposite direction (Pratiloma Gati) i.e. upward and unable to perform normal functions this condition is known as ShwasaRoga¹².
- It is rendered to explain that the paroxysmal attacks of dyspnoea is due to the spasm in the bronchi or swelling of the mucous membrane, both factors may be partly responsible to predispose Bronchial Asthma. Hence there is a great parlance of pathogenesis between ancient and modern concepts. Here the vitiated Pranvayu produces bronchospasm and the vitiated Kapha makes to swelling of the mucous membrane and excessive secretion of mucous, which takes place in Pranvaha Strotas.

TREATMENT IN AYURVEDA

Chikitsa Sutra: The medicaments, food and drinks which control both Kapha and Vata, having Ushna Virya property and are specially Vatanulomana should be given to Shwasa roga patients¹³.

The predominate Doshas of Tamak Shwasa are Vata-Kapha. The Vata and Kapha are contrary to each other. In the management of Tamak Shwasa it customary to note when Vata is obstructed by Kapha, by increasing Vata automatically Kapha will subside and that allows Vata to move freely in its course. On the other hand, when Vata is aggravated severely and Kapha is in its Linavastha then the treatment to increase Kapha will automatically correct the vitiated Vata by its antagonistic property. Hence it is better to adopt Vata-Kaphahara treatment¹⁴.

Effect on Strotas: The Shatyadi Churna have a positive effect on involved Pranavaha strotas as it is the recommended in the disease of Pranavaha strotas Shwasa¹⁵.

By Rasa: Most of the drugs of this Yoga dominated by Katu, Tikta and Kashaya Rasa. Sharkara which is used in this yoga is eight times. So this yoga has Kaphashamak property by Katu-Tikta Rasa and Vatashamak property by Madhur Rasa¹⁸.

By Guna: Laghu and Tikshna Guna of most of the drugs, decrease the excess of Kapha¹⁹.

ByVirya: UshnaVirya of the majority of the drugs has a positive effect on vitiated Kapha and Vata²⁰.

By Karma: With Deepan-Pachana Karma of drugs, correct Agni and removes the Ama²¹. These eventually lead to Amapachan and Agnisandhukshan function.

This way, Shatyadi Churna will help to breakdown the Samparpti of Tamak Shwasa.

CONCLUSION

It is concluded that the disease Bronchial Asthma can be correlated with Tamak Shwasa. Therefore Shatyadi Churna with Katu and Tikta Rasa, Dipana, Pachana, Ushna, and Teekshna Guna, Ushna Virya along with Vata-Kaphagna effect has enough potency to disintegrate the etiopathogenesis of Tamak Shwasa (Bronchial Asthma).

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Cite this article as:

Nisha M Prajapati, Dhananjay V Patel. A conceptual study on shatyadichurna in the management of tamak shwasa (bronchial asthma). Int. J. Res. Ayurveda Pharm. May - Jun 2016; 7(3): 26-28 <http://dx.doi.org/10.7897/2277-4343.073105>

Source of support: Nil, Conflict of interest: None Declared

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