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# Case Study on Bronchial Asthma with Special Reference to Tamaka Shwasa

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Abstract: Ayurveda and modern pathies both share almost similar view regarding Bronchial Asthma. In Ayurveda, Bronchial Asthma is co-related to Tamaka Shwasa.common symptoms such as Difficulty in breathing, production of wheezing sound, continuous coughing are told by both the pathies. Asthma can be defined as a Chronic Inflammatory Disease of the airways which develops under the influence of allergens, associated with bronchial hyper-responsiveness and reversible obstruction and bronchospasm. Both the pathies have considered it to be YAPYA i. e. One needs to follow pathya aahara and vihara throughout his lifetime inorder to avoid the VEGAVASTHA. Basically as per modern, BRONCHODILATERS and STEROIDS are used for the treatment whereas Ayurveda promotes VIRECHANA KARMA to be best treatment modality.

Keywords: Yapya, Tamaka shwasa, Bronchodilators

#### 1. Case Presentation

A 48 year Female patient is presenting with following symptoms:

- Ghurghuraka-WHEEZING SOUND during respiration
- KASATE-continuous and persistent cough at night for 7 days
- SHWASA KASHTA-difficulty in breathing
- TIVRA VEGA-severe distress
- PRANA PIDAKAM
- NIDRA NASHA-sleeplessness
- KAPHA VIMOKSHATE SUKHAM-After expectorating the kapha, the patient gets relief.
- ASINO LABHATE SUKHAM-In sitting position, the patient gets relief.

She is experiencing all these signs and symptoms since the year 2016. The vegavastha is seen when patient gets exposed to cold environment, contact with fragrants, exposure to dust, smoke, pollen grains, etc allergens. The patient had travelled to Rajasthan in the year 2016, wherein there's cold environment after which she has started complaining of the above mentioned symptoms.

#### 2. History

The patient was doing strainous work during her childhood and was continuously exposed to dust, smoke as she was in continuous contact with the CHULHIKA (Agni samparka), also she was helping her mother in farming so was in contact with grain dust. However she was experiencing only breathlessness since then. In 2016, the patient travelled to Rajasthan after which she started experiencing all the lakshanas and was diagnosed with Tamaka shwasa.

#### **Past Medical History**

- The patient is ANAEMIC with HB levels in between 8-10 gm%.
- Also she has complains of allergic reactions to soaps, etc irritants.
- She suffers from yonipradeshi tivra kandu (vaginal itching), shushkata (dryness).
- The patient takes Tab. HHFEXO since 8 years.

#### **Family History**

- The patient's mother was a K/C/O BRONCHIAL ASTHMA
- THE patient's daughter is also a K/C/O BRONCHIAL ASTHMA.

#### **General Examination**

Height-155 cm

Jivha (tongue)-saama

Weight-63 kgs

Sparsh-Snigdha

BMI-26.2

Drik-clear

Nadi (pulse)-79 beats/min

Akriti-sthula

Mala (stools)-2 times/day

Mutra (urine)-7-8 times/day

Shabda-clear voice, wheezes heard during respiration.

# Systemic Examination-Respiratory System (Pranavaha Srotas)

According to the reported symptoms, Patient was advised to do a Chest x-ray, Spirometry, Blood test and IgE test.

The reports are attached as follows:

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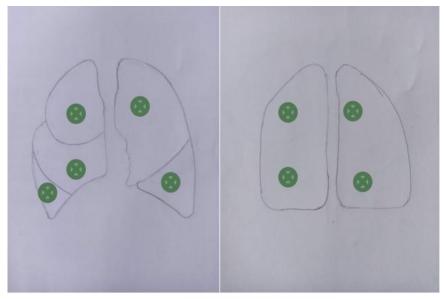
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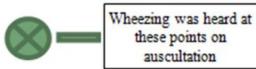
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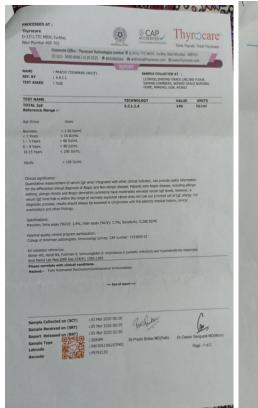
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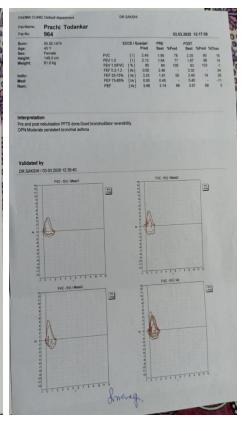


**Special Investigations** 

Spe	ciai investigations
Tests Done	REPORT
Haemoglobin	10.6 gm%
Total WBC	11, 700 cells/cubic mm
Total RBC	4.40 millions/cubic mm
Random Blood Glucose	98 mg/dL
Total IgE	146 IU/ml
Spirometry	Suggests MODERATE PERSISTENT BRONCHIAL ASTHMA.



REF. BY   C/O XRCL	NAME : Prachi Todan	kar	DATE	04/03/2020
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Total WBCs Count   11,700 Cells/Current   M13 - 18 gmg/s   5000-11000		Result		Normal Range
Total WEGS Count   11,700 Cells/Cumm   5000-11000		: 10.6 gn	ns%	F 12 - 16 gms% M 13 - 18 gms%
Neutrophis   24 %   50 - 70 %		: 11,700	Cells/Cumm	
Lymphocytes		. 04 0/		70.00
Eosinophis   0.1 %   0 - 0.6 %			51	
R.B.C. Count				
Platelet Count   2.81 Lakhs   1.50 -5.5 lakhs			Illiam/cu m a	
P.C.V : 31.9 % M-40-54 F - 37-47 M.C.V : 772 f l 76-98 M.C.H : 124.0 pp 27-32 M.C.H.C. : 33.2 g/dl 31-38   Blood Glucose Analysis  Test Result Valit Normal Ranse				
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M.C.H.C : 33.2 g/d 31 - 38    Blood Glucose Analysis			1	27 -32
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Report 1 Report 2 Report 3

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#### 3. Treatment

#### **Bahya Chikitsa (External Treatment)**

- Bala Taila Snehana
- Nadi Sweda
- Nasya With Anu Taila

#### Abhyantara Chikitsa (Internal Medicine)

- SHWASONIL SYRUP-10 ml BD
- Tab. WYSOLONE 10-1 tab TD\*5 days
- Tab. BACTOCLAV 625-1 tab BD\*5 days
- BUDAMATE 400 TRANSCAPS-INHALATION TWICE A DAY

#### **Interventions**

- Instead of BUDAMATE 400 TRANSCAPS,
   BUDAMATE 200 TRANSCAPS were advised to take 2 months later in the same dose.
- Patient was advised to eat 2-3 bolus of food less than required.
- Pranayama was advised to do daily in the morning.
- Patient was advised to avoid excessive strainous exercise, consumption of heavy diet, contact with various allergens.
- Drug interaction was checked, no interaction was present b/w Ayurvedic medicine-SHWASONIL and Modern medicines-tab. Wysolone and tab. Bactoclav.

#### Care Plan

- Proper diet which is not heavy, dry, allergic.
- Exercise and Walk to reduce body weight.
- High fibre diet with fewer intakes of fats and carbohydrates.
- Pranayama regularly.

#### Outcome

- Patient continued taking the medicine for 6 months, now the patient is feeling much better.
- She has stopped taking all the tablets and just takes the INHALER when she has difficulty in breathing.
- Also the frequency of asthmatic attacks has reduced from 4 times/month to 1-2 times/month with much lesser distress.

#### **Differential Diagnosis**

- Acute rhinitis
- Chronic sinusitis
- Upper respiratory tract infection
- Pneumonia
- Gastroesophageal reflux disease (gerd)
- Vocal cord dysfunction
- Sarcoidosis

#### 4. Discussion

The patient is presenting with classical signs and symptoms of the disease and hence has been diagnosed with TAMAKA SHWASA i.e. BRONCHIAL ASTHMA.

BRONCHIAL ASTHMA is known to be caused due to various reasons like Contact with allergens, family history, continuous strainous exercise, etc.

Due to various causes that are involved BRONCHIAL INFLAMMATION takes place leading to BRONCHIAL HYPERACTIVITY due to the influence of the trigger factors. Further BRONCHO OEDEMA and MUCOUS PRODUCTION takes place leading to AIRWAY NARROWING i. e. BRONCHOSPASM. Due to this symptoms like cough, wheeze, breathlessness, chest tightness are seen.

If this condition is not properly treated or is for long term then it might result into High blood pressure, Respiratory failure, etc. complications.

#### Stages of presentation of asthma:

Early Phase
Late Phase

#### **Early Phase:**

Starts within 10 minutes of exposure and is characterised by release of leukotriens C, D, E; PROSTAGLANDINS, PLATELET ACTIVATING FACTOR and BRADYCHININS. All these substances cause bronchoconstriction, mucousal oedema, mucous secretion which manifests with airway obstruction. This phase is inhibited by beta 2 antagonist drugs.

#### **Late Phase:**

Occurs in about 2/3 patients. It develops 3-4 hours later. Here again there is release of mast cell mediators. This phase cannot be prevented by premedication with beta 2 antagonist drugs. It is inhibited by premedication with STEROIDS.

Thus an Asthmatic patient should focus on improving his/her lifestyle as the disease is also said to be a LIFESTYLE DISORDER. Small meals should be taken instead of eating lots of food. Pranayama, etc breathing exercises should be done regularly.

### References

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