

## WORLD JOURNAL OF PHARMACEUTICAL RESEARCH

SJIF Impact Factor 8.453

820

Volume 13, Issue 16, 820-826.

Case Study

ISSN 2277-7105

# ROLE OF LAGHU TALISADI CHURNA IN MANAGEMENT OF METABOLIC SYNDROME ASSOCIATED WITH TAMAK SHWAS A SINGLE CASE STUDY

Dr. Avadhut Vitthal Khabale<sup>1</sup> and Dr. Minal Vaidya<sup>2</sup>

<sup>1</sup>2<sup>nd</sup> Year PG Student Kayachikitsa <sup>2</sup>H.O.D. (Kayachikitsa),

Dept. of Kayachikitsa Dr. G. D. Pol Foundation Ymt Ayurvedic Medical College & Hospital, Kharghar, Navi Mumbai.

Article Received on 01 July 2024,

Revised on 21 July 2024, Accepted on 11 August 2024

DOI: 10.20959/wjpr202416-33519



\*Corresponding Author

Dr. Avadhut Vitthal

Khabale

2nd Year PG Student
Kayachikitsa, Dept. of
Kayachikitsa Dr. G. D. Pol
Foundation Ymt Ayurvedic
Medical College & Hospital,
Kharghar, Navi Mumbai.

#### **ABSTRACT**

Metabolic Syndrome is a life style disorder that often manifests as Medovaha strotodusti in Ayurveda. This case study explores the therapeutic potential of Laghu Talisadi churna, a classical Ayurvedic formulation, in the management of Medovaha strotodusti in a patient diagnosed with Metabolic syndrome associated with tamak shwas. The study highlights the clinical presentation, treatment protocol, and outcomes, providing insights into the efficacy of Laghu Talisadi churna as an alternative or complementary therapy for Metabolic Syndrome.

**KEYWORDS**: Laghu Talisadi Churna, Tamak Shwas, metabolic syndrome, Medovaha strotodusti.

#### INTRODUCTION

➤ Metabolic syndrome is a collection of conditions that often occur together and increase your risk of diabetes, stroke and heart

disease. The main components of metabolic syndrome include obesity, high blood pressure, high blood triglycerides, low levels of HDL cholesterol and insulin resistance.

- The International Diabetes Foundation (IDF) in 2005 has defined MS, by the presence of 2 or more, out of these 4 criteria "s-
- 1- Fasting Triglyceride > 150 mg/dl or specific medication

- 2- HDL cholesterol <40 mg/dl in males <50 mg/dl in females or specific medication.
- 3- Blood pressure >130/85 mm/Hg or prevous diagnosis or specific medication.
- 4- Fasting Plasma Glucose > 100mg/dl or previous diagnosed Type2 DM or specific medication.
- In Avurveda above features have been mentioned as the result of Medavaha Srotodusti.
- According to Ayurveda shwasa vyadhi is due to pranavaha, annavaha and udakavaha srotasdushti.
- Tamak shwas is type of shwasa in which patient experienced excessive difficulty and drowing indark is known as Tamak shwas.
- Vata and kapha doshas are responsible in the pathogenesis of Tamak shwas.

#### **AIMANDOBJECTIVES**

#### Aim

To assess the efficacy of laghu talisadi churna in management metabolic syndrome associated with tamak shwas a single case study.

#### **Objective**

Assessment of the efficacy of laghu talisadi churna in management metabolic syndrome associated with tamak shwas a single case study.

#### **Description of patient**

This is a single case study of 59 year female patient, came with the complaints of

- 1. Weight gain
- 2. Difficulty in breathing
- 3. Polyurea
- 4. High blood pressue since 5 years.
- 5. Abdominal Distension and Decreased appetite.

According to patient, She was apparently well before 5 years. Gradually he developed weight gain breathing difficulty and polyurea.

H\O Htn and Dm on no medication

#### Treatment plan

In this case we use laghu talisadi churna along with honey once daily

Drug:- Laghu Talisadi Churna

Dose:- Laghu Talisadi Churna 12gm (In early morning ) with Madhu Aushad sevan kal – Rasayan kal

Duration - 3 months Route- orally

### लघु तालिसादि चूर्ण

तालीसपत्रं मरिचञ्च विश्वाश्यामायुतं चोत्तरभागवृद्धया। त्वक्पत्रकेणापिलवङ्गमेलामष्टौ कणाया गुणितां सिताञ्च॥ लिह्यात्प्रभाते श्वसने च कासेप्लीहारुचौ पीनसच्छर्दिहिक्काम्। शोफातिसारं ग्रहणीं चपाण्डुं क्षयंनिहन्यातक्षतजं च यक्ष्मम्॥ (हारीत संहिता तृतीय स्थान 12/41-42)

Sl. no	Dravya	Scientific name	Part tobe used	Praportion
1	Talisha patra	Abies webbiana lindl	Leaf	1 part
2	Maricha	Piper nigrum linn.	Fruit	2 part
3	Sunthi	Zingiber officinale roscoe	Rhizon	3 part
4	Pippali	Piper longum linn	Fruit	4 part
5	Twak	Cinnamomum zeylanicum	Bark	5 part
6	Tejpatra	Cinnamomum tamala	Leaf	6 part
7	Lavang	Syzygium aromaticum	Flower bud	7 part
8	Ela	Elettaria cardamomum maton.	Seed	8 part
9	Khanda sarkara			32 karsa

Drug	Latin name	Rasa	Virya	Vipak	Guna	Karma
Talisa	Abies webbiana	Madhura, katu, tikt a	Usna	Katu	Laghu tikshna	Dipana, hrdya, vatakaphapham
Maricha	Piper nigrum	Katu, Tikta	Usna	Katu	Laghu ruksha, Tiksna	Dipamamedohara, pittakara, ruchya, vatahara, Chedana, hrdroga
Shunti	Zingiber Officinale	Katu	Usna	Madhura	Laghu Snigdha	Anulomana dipana, hrdya,
Pippali	Piper longum	Madhura, katu, tikt a	Anusna	Madhura	Laghu, snigdha	Dipana, hrdya kaphahara, Ruchya, tridoshara, vatahara, rasayan rechana
Lavang	Syzygium aromaticum	Tikta, Katu	Sheeta	Katu	Snigdh laghu	Swashhar, jwaraghna, pachana, deepana
Ela		Madhura, Katu	Sheeta	Madhura	Laghu	Anulomana, dipana hrdya, Mutrala, rocana
Tvak	( innamonzevianiiim	Madhura, katu, tikt A	Usna	Katu	Laghu ruksha tikshna	Kaphavatahara ruchya, kanthashuddhikara

#### Comparison

Investigation	Before treatment	After treatment	
Hba1c	7.5	6.6	
Urine	Sugar presnt	Sugar absent	
Cholestrol/hdl	5.67	2.51	
Ldh	79.48	172.10	
Bmi	28.1	24.9	
Blood pressure	150/90	130/80	
Hemoglobine	9.6	11.8	
Fev1	37%	71%	

#### **RESULT**

Patient showed remarkable improvement in severity of symptoms and as well as time period between 2 successive episodes of dyspnea is increased. During this course we observed that the patient had significant relief of symptoms weight loss increasing in appetite and increased in fev1 level.

#### DISCUSSIONAND CONCLUSION

Drugs (Maricha & Tejpatra) with the opposite Gunas likeKatu Rasa, Laghu, and Tikshna Guna, causes alleviation of Kapha Dosha along with dhatu agnivardhan with opposite properties like Madhura, Guru, Manda, and so on, of Kapha Dosha.

Pippali & dalchini with Tikshna Guna causes Bhedana of Kapha, which is stuck to the Srotasa by Picchila and Sandra Guna. Once the Dosha is separated from the medovaha Srotasa,

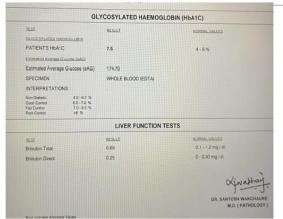
Ushna Guna of the drug Twak, shunti and Tejpatracauses Vilayana of Kapha and also generates easyexpectoration and strotas shodhan.

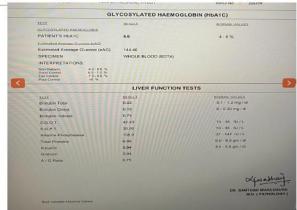
Sharkara again causes Chedana of Prakrut Kapha hence Vata Sanga and Vimarga-gamana are corrected. That leads to Vyadhi Shamana.

Pippali is Tridoshahara specially Kaphavatahara and is Rasayana which prevent further recurrent attacks of tamak shwas.

Laghu talisadi churna is effective in management metabolic syndrome associated with tamak shwas.

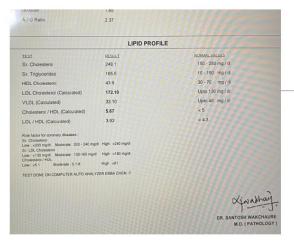
#### **Reports**

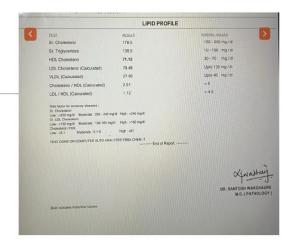




# **BEFORE**

**AFTER** 

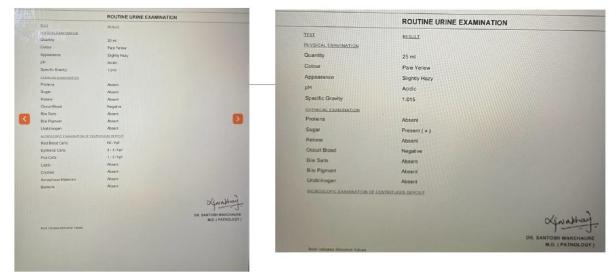




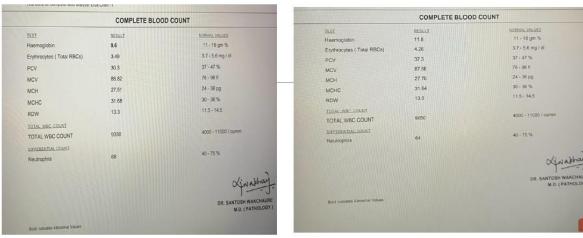
**Before** 

**After** 





**Before** After



Before After

#### **REFERENCES**

- 1. WORLD JOURNAL OF PHARMACEUTICAL RESEARCH https://wjpr.s3.ap-south-1.amazonaws.com/article\_issue/bfb7e0bd030777632b102b0f52043506.pdf
- 2. Dr. Swagata Tavhare, Dr Niteshwara K jamnagar Role of deepaneeya and shwasahara dashemani in the management of tamakashwasa w.s.r. to bronchial asthma:a review International journal of ayurvedic medicine, 2014; 5(1): 11-12.
- 3. Dr. Archana Nivrutti Bhangare Acritical review on Tamak shwas (Bronchial asthma): An ayurvedic prospective; wjpmr, 2017; 3(6): 88-94
- 4. Kimmi Seth\*, Nitesh Anand An ayurvedic review on management of Tamak shwas; Iternational journal of pharma sciences and research(IJPSR), Jun, 2016; 7(6).
- 5. Masram Pravin\*, Ade Vedika, Patel K An evidence based on ayurvedic management of Tamak shwas (Bronchial asthma) international journal of Ayurveda and pharma research,

825

- 2015; 3(2): 11-18. ISSN: 2322-0910
- Dr. Kuldeep kumar soni, Dr Chuman L Shwasahara dashemani- classical shaman yoga for Tamak shwas international journal of current research in life sciences, February, 2018; 07(02): 946-950.
- 7. Who.int. 2021. Asthma. [online] Available at: <a href="https://www.who.int/news-room/fact-sheets/detail/asthma">https://www.who.int/news-room/fact-sheets/detail/asthma</a> [Accessed 30 July 2021].
- 8. BAGHEL, M. and KJ, G., 2021. Researches In Ayurveda-Online Directory of PG and Ph D Titles. [online] Researches-in-ayurveda.co.in. Available at: <a href="http://www.researches-in-ayurveda.co.in">http://www.researches-in-ayurveda.co.in</a>> [Accessed 30 July 2021].
- 9. Medicinenet.com. 2021. [online] Available at: https://www.medicinenet.com/asthma\_overview/article.htm> [Accessed 30 July 2021].
- 10. 1Narhari Saka, A Critical Review: Tamak shwas (Bronchial Asthma). International Journal of Research Granthaalayah, 2019; 7(8): 258-264.
- 11. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5747547/
- 12. https://www.researchgate.net/figure/GOLD-Criteria-for-severity-of-airflow-obstruction-in-COPD\_tbl1\_353733818
- 13. Harita samhita sankrita mula and Nirmala hindi commentary edited and translated by Jaimini Pandey, ref 3/12/41-42, pg331 Chaukhamabha vishwabharati Varanasi 221005 1st edition 2011.
- 14. Padmashree pro. Krishchandra Chunekar. Bhavprakash Nighantu. Varanasi. Chaukhambha Bharati Academy. Edition, 2018; 497.
- 15. Sharangdhar Samhita, Dr.Smt Shailaja Shrivastav, Year 2011 edition, Chaukhamba Oriantalia Prakashsn.
- 16. K.D.Tripathi, Essential of medical Pharmacology, 5th edition, New Delhi, Jaydeep Brothers medical, 2004.
- 17. Dr AnantRam Sharma, Sushrut Samhita 1st Edition, Varanasi, Chaukhamba Surbharti Prakashan, 2009.
- 18. Dr Brahmanand Tripathi, Charak Samhita, Varanasi, Chaukhamba Surbharti Prakashan, 2007.
- 19. Dr Brahmanand Tripathi, Charak Samhita, Varanasi, Chaukhamba Surbharti Prakashan, 2007.
- 20. Anthony S. fauci Dennis L. Kasper Stephen L. Hauser Jameson Longo, Harrison's principles of internal medicine 18TH edition, New York, Tata mcgraw Hill education, 2011.