YASHAYURVED JAN-MAR 2023; 2(1):41-46

ISSN: 2583-5742



YASHAYURVED - E-Journal of Holistic Health

Peer reviewed | Quarterly Journal | Open Access

Remedial Rasayana in Combating Fasting Blood Sugar W.S.R. to Tuvaraka Rasayana – Case Series

Dr. K. Samudrudu¹, Dr. Yogeesha Acharya²

ABSTRACT

Introduction: Diabetes Mellitus is one of the endocrine disorder as well as life style disorder with prevalence rate of 11.8% in India. As per *Ayurveda*, Diabetes Mellitus is akin with Prameha which comes under *Yapya Vyadhi*. *Shodhana*, *Shamana* and *Rasayana* are the line of treatment of *Prameha Vyadhi*. *Tuvaraka Rasayana* is one of the *Pramehahara Rasayana* explained in literature as *Naimittika Rasayana*.

Methods: *Acharya sushruta* has explained *Tuvaraka Rasayana* as a *shodhana* type of management in *Madhumeha*, which acts as *mehapaha. Tuvaraka taila* was administered in 5 patients with dose of 8ml on empty stomach for 5 days after 3 days of *Nitya Virechana* with *Mishraka Sneha*. Fasting Blood sugar was assessed before and after the treatment.

Results: Fasting blood sugar level decreased after the treatment. The values of FBS of 5 patients are: before treatment 334 mg/dl, 202mg/dl, 171mg/dl, 162mg/dl and 290mg/dl, after treatment they were 302mg/dl, 115mg/dl, 129mg/dl, 60mg/dl and 116 mg/dl respectively. The mean at before treatment was 231.8 and after treatment were 144.4.

Discussion: Tuvaraka taila is Ubhayatobhagara Shodhana Dravya and Pramehahara Rasayana. Administration of 8ml Tuvaraka taila induces 1 Vega of Vamana and 2 or 3 Vega of Virechana. By the Ubhayatohara Shodhana, there is decrease in Kapha and Meda which in turn reduces the Blood Sugar level in Diabetes Mellitus patient

Keywords: Tuvaraka Rasayana, Fasting Blood Sugar, Vamana, Virechana.

INTRODUCTION

Ayurveda is a science of life. The main aim of Ayurveda is to maintain Dharma (Virtuous acts), Artha (Wealth), Kama (Desire) and Moksha (Salvation). These are considered as Purushartha

¹ Former PG scholar, Dept. of Swasthavritta, SDM College of Ayurveda, Udupi.

² Associate Professor, Dept of Swasthavritta, SDM College of Ayurveda, Udupi.

Chatustaya which are essential for health. The objective of *Ayurveda* is to maintain the health of an individual and curing the disease. 2

ISSN: 2583-5742

Ayurveda is a foremost system of Medicine in the Universe. In the present scenario the life style disorders are the world wide burning problem. Diabetes Mellitus is becomes the fastest considerable disease in World wide. India has being estimated with fastest growing population of Diabetes due to improper life styles.

The World Health Organization estimated the global prevalence of Diabetes among adults over 18 years of age as 8.5% in 2014. As per the National Diabetes and Diabetic Retinopathy Survey report released by the Health and Family Welfare Ministry prevalence of diabetes in India in the last four years is found to be 11.8%.³

Prameha is a disease of *Mutravaha Sroto Vikara*. It can be defined on the basis of its common signs and symptoms. They are frequent and copious Micturition along with turbidity is known as *Prameha*. *Madhumeha* is a clinical entity in which the patient voids *Mutra*, having the similar qualities of *Madhu* like its colour, taste, smell or appearance. ⁵

Below enumerated factors are Samanya nidanas for prameha⁶

- a) Asyasukham- interest in sedentary habits.
- b) Swapnasukham- pleasure of sleep.
- c) Dadhini- over indulgence of various preparations of curds.
- d) *Gramya, audaka, anoopa rasa* soups of meat of domesticated and aquatic animals belonging to marshy land.
- e) Payansi- various milk preparations.
- f) Navannapanam- freshly harvested food articles, freshly prepared drinks.
- g) Guda vaikritam- various preparations of jaggary.

All these factors are responsible for the aggravation of *Kapha* and *Meda* in *Shareera* in turn cause the *Prameha*.

Shodhana, Shamana and Rasayana are the line of treatment of Prameha Vyadhi.⁷ Different Prameha hara Rasayana are explained in literatures. Out of which one is Tuvaraka Rasayana⁸. It is one of the Ubhayatobhagahara dravya acts as Shodhana and explained as Naimittika Rasayana⁹ in literatures.

METHOD

OBSERVATION AND RESULT

The study was carried on 5 patients; the patients were diagnosed as Diabetes Mellitus with increased Fasting Blood Sugar Level. The FBS values were taken before the treatment and after the treatment. Patients were first subjected for Kosta Shuddhi in early morning with Mishraka Sneha¹⁰ for 3 days. Later the patients were administered with 8 ml of Tuvaraka Rasyana (Tuvaraka taila) in every day morning at 6.30 for 5 days. After about 2 hours after intake of Tuvaraka Taila, they were advised with a particular diet Ganji (Rice Gruel), Krishara (Kichidi), Mudga Yusha (Green gram Soup) during this treatment period. After treatment once again the FBS values were checked and observed for the values of FBS.

ISSN: 2583-5742

After administration of Tuvaraka taila patient started with Vamana and Virechana after half an hour. For the dose of 8ml, patients were had in an average 1Vega of Vamana and 2 to 3 Vega of Virechana. The FBS values of 5 patients before treatment 334 mg/dl,202mg/dl, 171mg/dl,162mg/dl and 290mg/dl, after treatment they were 302mg/dl, 115mg/dl, 129mg/dl, 60mg/dl and 116 mg/dl respectively. The mean at before treatment was 231.8 and after treatment were 144.4.

SL No	FBS	
	BT	AT
1	334 mg/dl	302 mg/dl
2	202 mg/dl	115 mg/dl
3	171 mg/dl	129 mg/dl
4	162 mg/dl	60 mg/dl
5	290 mg/dl	116 mg/dl
Mean	231.8	144.4

DISCUSSION

The Tuvaraka Rasayana sevana in Prameha is with the motto of Shodhana and Rasayana . Tuvaraka as has the quality of Ushna and Teekshna which acts upon Meda and Kapha and do the Medohara and Kaphahara which in turn do Pramehahara. 11 Literatures explains that *Tuvaraka Rasayana* should be given on every *Chaturtha Bhaktantarita* for 5 times I .e. on every fourth meal it has to be given. It can be understood that, Tuvaraka Rasayana

should be given on alternate day. But, *Acharya Vaghbata* said *Tuvaraka Rasayana* should be given for 5 days. With the reference of *Vaghbata* the study was followed. As the *Acharya Shushruta* and *Vagbhata* was explained that, the *dose of Tuvaraka Taila for Rasayana is* Panitala Pramanam i.e. *Karsha pramana* approximately 12 ml. We gave 12 ml *Tuvaraka Rasayana* to the patient by assessing *Dashavidha Pariksha Bhavas*. That person was attained 3 *Vegas* of *Vamana*, and 5 *Vegas* of *Virchana* and shows the symptom of dehydration. After that we reduce the dose to 8ml. On the basis of *Dashavidha Pariksha Bhavas* the remaining patients were administered with 8 ml of *Tuvaraka Rasayana*. They showed 1*Vamana Vega* and 2-3 *VirechanaVega*.

ISSN: 2583-5742

As the *Tuvaraka* is *Ubhayatobhagahara shodhaka dravya*, it worked on *Samprapti Vighatana*, where it has removed the Vikrita *Kapha* and *Meda* simultaneously. *Vamana* removed the excess *Kapha* and *Virechana* was removed excess *Meda*. With this the drastic fall in FBS levels were noticed immediately after *Tuvaraka Rasayana Shodhana*. The *mishraka Sneha* contains *Trivrith*, *Triphala*, *Danti*, *Dashamoola*, *Sarpi* (Ghee), *Eranda Taila*, *Ksheera* (Milk) which will acts as *Kosta shodhaka* that is why it has been given prior to the *pradhana shodhana*.

Tuvaraka is Katu, Tikta, Kashaya Rasa Pradhana, Snigdha and Tikshna Guna, Ushna Virya and Katu Vipaka as it is Ubhayatobhagahara Shodhaka it acts on Kapha and Meda simultaneously. Tuvaraka contains Hydnocarpin, Luteolin active component which maintains Fasting Blood Glucose in normal levels and thus prevent lipolysis. This also helps to control the release of sugar in urine. This helps in maintaining the triglyceride and total cholesterol levels in near normal limits and thus prevent the onset of Diabetic Cardiomyopathy. Luteolin is a potential flavonoid with multiple benefits and had multiple functions that collectively promote luteolin as a remarkable antidiabetic agent. Luteolin is considered as a safe antioxidant. The generation of free radicals followed by oxidative injury to the islet cells of pancreas cause Diabetes. Luteolin can prevent the generation of Reactive Oxygen Species (ROS) by inhibiting the enzymes that generate ROS, can scavenge ROS and can protect the components of other antioxidant systems. ¹³

CONCLUSION

Ayurveda gives prime importance to prevention of the diseases. The faulty life styles and food habits are landing in to non communicable diseases. One such disease is Diabetes Mellitus, where the Blood Glucose level is raised due to insulin insufficiency. In *prameha/madhumeha* the *Kapha Dosha Dusti* takes place primly later *Pitta* and *Vata* gets affected.

Impairment of *Tridosha* will leads to involvement of *Dasha Dushya*. Rasa, Shonita, Mamsa, Medad, Majja, Shukra, ShariraKleda, Vasaa, Lasika along with Ojus are get liquefied and reaches into Basti Pradesha which in turn leads to Prabhuta Avila Mutrata. So we have to protect Ojus, Sapta Dhatu, Tridosha and Bala which are involved in the manifestation of Prameha. It is possible with the help of Shamana, Shodhana and Rasayana Chikitsa. As Tuvaraka Rasayana is Naimittika Rasayana related to Prameha; so helps in controlling Fasting Blood Sugar in turn Prameha Vyadhi.

ISSN: 2583-5742

REFERENCES

- 1. Acharya YT, editor, (1st ed.). Ayurveda Dipika Commentary of Chakrapanidatta on Charaka Samhita of Agnivesha, Sutra Sthana;Deerghamjeevitiyam Adhyaya:Chapter01, Verse15. Varanasi: Choukambha Sanskrit Sansthan; 2014. p.6.
- 2. Acharya YT, editor, (1st ed.). Ayurveda Dipika Commentary of Chakrapanidatta on Charaka Samhita of Agnivesha, Sutra Sthana; Arthe Dasha Mahamooliya Adhyaya: Chapter 30, Verse 26. Varanasi: Choukambha Sanskrit Sansthan; 2014. p.187.
- 3. Livemint, Government Survey found 11.8% prevalence of diabetes in India. [Online]. 2019 Oct 10, [Cited 2020 Mar 13]; Available URL:
- http://www.google.com/amp/s/www.livemint.com/science/health/government-survey-found-11-8-prevalance-of-diabetes-in-india/amp-11570702665713.hmtl.
- 4. Acharya Y.T, Acharya N.R., editor, (1st ed.). Nibadhasangraha Commentary of Dalhanacharya, Nyaya Chandrika Panjika Commentary of Gayadasacharya on Susrutha Samhitha of Susrutha, Nidana sthana; Prameha Nidanam Adhayaya: Chapter 06, Verse 06. Varanasi: Choukambha Sanskit Sansthan; 2010. p.290.
- 5. Acharya Y.T, Acharya N.R., editor, (1st ed.). Nibadhasangraha Commentary of Dalhanacharya, Nyaya Chandrika Panjika Commentary of Gayadasacharya on Susrutha Samhitha of Susrutha, Chikitsa sthana; Prameha Pidaka Chikitsitam Adhayaya: Chapter 12, Verse 06. Varanasi: Choukambha Sanskit Sansthan; 2010. p.454.
- 6. Acharya YT, editor, (1st ed.). Ayurveda Dipika Commentary of Chakrapanidatta on Charaka Samhita of Agnivesha, Chikitsa Sthana;Prameha Chikitsitam Adhyaya:Chapter06, Verse 4. Varanasi: Choukambha Sanskrit Sansthan; 2017. p.445.
- 7. Acharya YT, editor, (1st ed.). Ayurveda Dipika Commentary of Chakrapanidatta on Charaka Samhita of Agnivesha, Sutra Sthana; Yajjaha Purusheeyam Adhyaya: Chapter 25, Verse 40. Varanasi: Choukambha Sanskrit Sansthan; 2007. p.132.

Page | 45

- 8. Acharya Y.T, Acharya N.R., editor, (1st Ed.). Nibadhasangraha Commentary of Dalhanacharya, Nyaya Chandrika Panjika Commentary of Gayadasacharya on Susrutha Samhitha of Susrutha, Chikitsa sthana; Madhumeha Chikitsitam Adhayaya: Chapter 13, Verse 20-34. Varanasi: Choukambha Sanskit Sansthan; 2015. p.457.
- 9. Acharya Y.T, Acharya N.R., editor, (1st Ed.). Nibadhasangraha Commentary of Dalhanacharya, Nyaya Chandrika Panjika Commentary of Gayadasacharya on Susrutha Samhitha of Susrutha, Chikitsa sthana;Sarvopaghata Shamaneeyam Rasayanam Adhayaya:Chapter27, Verse 02. Varanasi: Choukambha Sanskit Sansthan; 2015. p. 498.
- 10. Acharya YT, editor, (1st ed.). Ayurveda Dipika Commentary of Chakrapanidatta on Charaka Samhita of Agnivesha, Chikitsa Sthana; Gulma Chikitsitam Adhyaya: Chapter 06, Verse 149-151. Varanasi: Choukambha Sanskrit Sansthan; 2017. p.443.
- 11. Acharya Y.T, Acharya N.R., editor, (1st ed.). Nibadhasangraha Commentary of Dalhanacharya, Nyaya Chandrika Panjika Commentary of Gayadasacharya on Susrutha Samhitha of Susrutha, Chikitsa sthana; Madhumeha Chikitsitam Adhayaya: Chapter 13, Verse 20-34. Varanasi: Choukambha Sanskit Sansthan; 2015. p.457.
- 12. Zhang Y., Xiao-Qin Tian., Xiang-Xin Song., Jia-Pu Ge., Yan-Cheng Xu. Luteolin protect against diabetic cardiomyopathy in rat model via regulating the AKT/GSK-3β signalling pathway. *Biomed Res.* 2017; 28 (3):1359-1363 Cross Ref.
- 13. Lin Y.,Shi R., Wang X.,Shen H. M.Luteolin, a flavonoid with potentials for cancer prevention and therapy. *Curr Cancer Drug Targets*. 2008;8(7): 634–646.

 Cross Ref.