wjpmr, 2021,7(10), 71-73.

WORLD JOURNAL OF PHARMACEUTICAL AND MEDICAL RESEARCH

www.wjpmr.com

Review Article ISSN 2455-3301

SJIF Impact Factor: 5.922

W.IPMR

# ASSESSMENT AND EVALUATION OF SROTOMULA: A REVIEW ARTICLE

Dr. Ishan Malhotra\*<sup>1</sup>, Dr. Sakshi<sup>2</sup> and Dr. Subhash Upadhyay<sup>3</sup>

<sup>1</sup>PG Scholar Deptt of Rachana Sharir. <sup>2</sup>Assistant Professor Deptt of Rachana Sharir. <sup>3</sup>HOD & Professor Deptt of Rachana Sharir, Sriganganagar College of Ayurvedic Science & Hospital, Tantia University, Sriganganagar – 335001, India.

\*Corresponding Author: Dr. Ishan Malhotra

PG Scholar Deptt of Rachana Sharir Sriganganagar College of Ayurvedic Science & Hospital, Tantia University, Sriganganagar – 335001,

Article Received on 28/06/2021

Article Revised on 18/07/2021

Article Accepted on 08/08/2021

#### **ABSTRACT**

Srotas is a structural and functional unit of the body through which substances flow from one part to another. Each Srotas is said to associate with two organs which are termed as Srotomula. Srotomula is the most vital part of the Srotas just like the root of the tree. In classics neither the detail description about Srotomula is available nor the reason mentioned for considering particular organs as the Srotomula. Hence the present study was undertaken with the aim to assess and evaluate the relation between Srotas and its Mula. Also it is essential to compare the views of both Charaka and Sushruta regarding Srotomula. For present study relevant information regarding Srotas and its respective Dhatu from Samhitas, various texts, articles etc was compiled and interpreted. After analyzing all the conceptual material it was found that Srotomula could be considered as either the originating place, storage place, controlling place, conduction place, terminating end or the site of manifestation etc. After comparing the views of both Acharyas it was found that Charaka has narrated the concept from physiological point of view whereas Sushruta has given more emphasis on the anatomical aspect of *Srotomula*.

KEYWORDS: Srotas, Srotomula, Charakasamhita, Sushrutasamhita.

## INTRODUCTION

Human body is mainly composed of three kinds of material viz. Dosha, Dhatu and Mala. Although all these entities are present in body itself, but some kind of transporting system is required to carry these material from the site of production to the site of action. For such transportation of body constituents, the special term Srotas' is used which denotes a channel through which substance flow from one part to another part. Srotas is a structural and functional unit of the body. For any structural or functional constitution two ends are necessary. From the one end it will start or begin the functions and at the other end it will finish the functions. Hence, for *Srotas* the two entities are designed in terms of body organs which are described as Srotomula (root of Srotas).

All the ancient Acharyas described two Mula's for each Srotas but the reason of considering specific organ as Mula of particular Srotas is nowhere mentioned in classics. Acharya Sushruta and Chakrapani had given the definition but that too is not enough to describe the information about Mula. Chakrapani has compared the Srotomula with the root of the tree and said that as the injury to root leads to the destruction of the tree, similarly injury to Srotomula can affect the whole Srotas. So, Mula can be the physiological or anatomical controlling centre of the Srotas due to which body maintains its dynamic equilibrium. From the conceptual point of view there is hardly any description about the term Srotomula. The research works carried out on Srotomula enables in understanding the concept somewhat.

Hence the present study was undertaken to assess and evaluate the concept of Srotomula and find out its different perspectives in relation to Srotas. The study was also determined to compare the views of Acharya Charaka and Sushruta on Srotomula.

#### **METHODS**

For the assessment and evaluation of *Srotomula*, literary material like Srotodushti Karan, Srotodushti Lakshan, Kshaya, Vriddhi and Prakopa Lakshana along with normal functions of particular *Dhatu*, treatment of *Srotas* and its Dhatu etc. were compiled and analyzed from Brihatrayi, Laghutrayi, various dictionaries, texts, research articles etc.

According to the Sanskrit lexicons the word 'Mula' is derived from the Sanskrit root, "Mule Pratisthayam" which indicate about the surface or the base on which the

ISO 9001:2015 Certified Journal 71 www.wjpmr.com Vol 7, Issue 10, 2021.

particular things are resting. Another derivation is "Mulam tu Adikaranam" according to which the first causative factor of any phenomenon is known as Mula.

After analyzing the term 'Mula' through various dictionaries it was found giving different meanings like Ropane (causing to grow), Antike (reaching to the end), Jata (the root), Padam (strong base), Shifa (flexible root), Bandhane (dependent on), Karan (elementary cause) etc. All these terms were applied in the context of Srotomula to understand it and also to understand the relation between Srotas and Srotomula.

As per the definition given by Chakrapani, *Mula* is the '*Prabhavasthana*' means the originating place or the governing site. Sushruta considered *Mula* as the hollow organ from which the *Srotas* starts.

#### DISCUSSION

After analyzing the literary material, various aspects of *Srotomula* was understood and it was found to performing various kinds of functions related to particular *Srotas*. Based on this following terms could be applied to *Srotomula* 

### Prabhavasthana (Place of Origin/Nutrition)

According to the definition, Srotomula is considered as the Prabhavasthana i.e. the place of origin from where the particular *Srotas* commences or gets the nutrition. In case of Raktavaha Srotas, Rakta is mainly produced at Yakrit and Pleeha; hence these are considered as the root organs. In case of Mutravaha Srotas also it has been said that Vankshana and Basti are associated with Mutra Utpatti; so they are considered as root organs. Vrikka is one of the roots of Medovaha Srotas. According to Sharangadhara the Vrikkas nourishes the Medodhatu inside the stomach area of the abdominal cavity. After the completion of digestion process, the formation of Purisha takes place in Pakvashaya; especially proximal 1/3 part of the large intestine is mainly related with the production of fecal matter. Hence from all the above examples it can be said the root organ is the place of origin for particular Srotas. According to the theory of Dhatu Utpatti, previous Dhatu is the precursor of next Dhatu. According to Vagbhata Mamsa, Meda, Asthi and Majja are the root organs of Medovaha, Asthivaha, Majjavaha and Shukravaha Srotas respectively Meda is told as the Mula of Swedovaha Srotas. All these examples suggest that root organs are such from where the particular *Dhatu* gets its nourishment

## Samchara/Vahana Sthana (Conduction Place)

The *Srotas* generally does the function of transportation of body tissues which are under metabolic processes. The part of the *Srotas* which helps to carry the nutritive material to respective *Dhatu* or its destination is considered as the root organ is some cases. *Rasavahi dhamanis* are told as the root of *Rasavaha Srotas*, which carries the function of circulation of ' *Rasa'* all over the body. Similarly *Raktavahi dhamani* and *Aartvavahi* 

dhamani also does the function of carrying their respective Dhatu. The Shukradhatu (semen) formed in Vrishan is conducted into female's body via Shepha. The Purisha formed in Pakvashaya is excreted out with the help of Sthulaguda or Adharaguda. Similarly the Mutra (urine) stored in Basti is transferred via Vankshana Pradesha upto the Bahirmukha Srotas. All the above examples indicate that the root organ does the function of conduction and hence can be considered as the conduction place.

## Niyantraka Sthana (Controlling point)

As per the etymology *Mula* is the base or the governing site of particular *Srotas* and it controls the physiology of that *Srotas*. Any kind of impairment at such place leads to the disturbance in the functioning of that Srotas. Whenever there is any kind of injury/abnormality at Hriday the function of both Pranavaha and Rasavaha Srotasas gets disturbed and various kinds of diseases are produced. For e.g. In Hridroga the symptoms like Shwasa, Kasa, Hikka etc. are produced which indicates the vitiation of *Pranavaha* Srotas whereas the symptoms like Aasyavairasya, Aruchi, Jwara, Tandra etc. indicates Rasavaha Srotodushti. In the normal state of Mahasrotas breathing process in *Pranavaha Srotas* occurs properly and if there is any disease pertaining to organs inside the Kostha, will lead to Pranavaha Srotodushti. For e.g. in Udararoga, Gulma etc. there is difficulty in expiration. In Yakrit Pleeha Vidradhi there is obstruction in Shwasmarga, which results in difficulty in expiration and in Nabhi Vidradhi, hiccup is produced. All these examples suggest that Mahasrotas works as controlling place for Pranavaha Srotas . Similarly Vamaparshwa i.e. Grahani is considered as the chief organ of Annavaha Srotas and the whole digestion process mainly depends upon the function of Grahani,

# Samgrahasthana (Storage Place)

As said earlier Srotomula can be considered as the chief organ of that Srotas where most of the Dhatu of particular Srotas is stored. In the context of Raktavaha Srotas Rakta is mainly stored at Yakrit and Pleeha. Amashaya is the storage place of Anna (food). In case of Medovaha Srotas if Vapavahana is considered as Omentum then it can be said that it is the place where maximum fat accumulates. Sushruta told Kati as the Mulasthana at where also most of the Meda (fat) accumulates. In context of Majjavaha Srotas, Majja is basically found in long bones. The tissue bone marrow occupies the internal cavities of bones. Shukradhatu although belongs to each and every corner of body is produced in 'Vrishan' and after that it stored there for proper time. Purisha also after its formation is stored in Pakvashaya (especially distal 2/3 part of the large intestine) till suitable period. Likewise, the *Mutra* also gets stored at its root i.e. Basti. All such examples are definitely indicative about the storage function of root organs. Hence they can be considered as the storage place of particular Srotas.

www.wjpmr.com Vol 7, Issue 10, 2021. ISO 9001:2015 Certified Journal 72

## Abhivyaktisthana (Site of Manifestation)

It is a well known fact that Srotas and Srotomula are interdependent and hence vitiation of one leads to the vitiation of other. In the vitiation of Udakavaha Srotas the disease Trishna is produced which is manifested at Talu and Kloma. Similarly in the vitiation of Annavaha Srotas the symptoms like Arochaka, Avipaka, chhardi etc. are produced which are associated with Amashaya. In Rasakshaya the symptom like 'Hridayam tamyati' and Hridayapida are produced and in Rasavriddhi 'Hridayotkleda' is mentioned. All these symptoms indicate deformity of the organ 'Hriday' which is the Mulasthana of Rasavaha Srotas. The vitiation of Raktavaha Srotas leads to the diseases like Kamala and Pleeha (enlargement of spleen) are produced which are pertained to the organs Yakrit and Pleeha. In the vitiation of Mamsavaha Srotas various diseases like Arbuda, Keela, Alaji etc. are produced which are pertained to skin (Twak) which is said to be the Mulasthana of Mamsavaha Srotas. Snayu is another Mulasthana of Mamsavaha Srotas. In Mamsakshya the function of Snayu also gets diminished and hence the symptoms like Sandhivedana, Sandhisphotana are produced. Prodromal symptoms of diabetes are produced in the vitiation of Medovaha Srotas, which shows the disturbance in the functions of Vrikka (kidney). In Medakshaya symptoms like Katiswapa or Katiksheenata are seen. Further, most of the obese persons give the history of Katishula and katigaurava which is the Mulasthana of Medovaha Srotas. In Majjakshaya the symptoms like Asthinistoda, Asthisaushirya, Asthishunyata are produced which are related to its Mula i.e Asthi.

### **CONCLUSION**

Srotomula is found to be the main functioning centre of particular Srotas. Any kind of vitiation of Srotas either directly or through its Dhatu leads to the vitiation of its Mula and when Srotomula is affected it leads to the vitiation of Srotas. Hence, it could be said that there is 'Samavaya Sambandha' between Srotas and Srotomula. The term used 'Prabhavasthana' used for Srotomula should be considered as either the origin place, storage place, controlling site conduction place, terminating place or site of manifestation for various Srotasas. Acharya Charaka has described the concept of Srotomula mainly from physiological point of view whereas Sushruta had given emphasis on the anatomical aspect of the Srotomula.

## REFERENCES

- Sushuta, Sushrutasamhita, Acharya YT (editior), Sutrasthana 15/3, Reprint ed., Chaukhamba orientalia, Varanasi, 2009; 67.
- Agnivesha, Charaka, Charaksamhita, Acharya YT (editior), Sharirasthana 7/16, Reprint ed., Chaukhamba Surabharati Prakashana, Varanasi, 339 Ibid 2.Vimanasthana, 2011; 5/8: 251.

www.wjpmr.com | Vol 7, Issue 10, 2021. | ISO 9001:2015 Certified Journal | 73