

INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY HEALTH SCIENCES

ISSN: 2394 9406

"DISEASE REVIEW AND MANAGEMENT OF GRIDHRASI THROUGH AYURVEDIC LITERATURE"

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ABSTRACT:

To keep up with ever changing ever growing field of research in modern medical science. The *Ayurvedic* concepts need to be analyzed and updated in relevance with developments in the contemporary sciences. The most common disorder which affects the movement of leg particularly in most productive period of life is low back pain, out of which 40% of persons will have Radicular pain. Such presentations were common in olden period too and ancient science of life named it as *Gridhrasi*. It is considered as *Shoola Pradhana Vata Vyadhi*. Different Medical Sciences with various principles and fundamentals are trying their best for one common goal i.e. Health for all. In this space age everyone is expecting miracle therapies for ailments. But these miracle therapies come at the coast affecting the other part of body and thus viscous circle is started curing one part and afflicting other. To break this, one needs wisdom and guide. This is the place where Ayurveda comes to rescue the world from the pain of disease by providing nectar from the result oriented modalities. *Gridhrasi* is a frequently encountered problem in the present era produced commonly due to the changed life style. Sciatica is characterized by severe pain which starts in the back and radiates down to one or both lower limb. It is prevalent all over the world.

Gridhrasi (sciatica) is also pain dominant lifestyle disorder, in which the pain starts from *Sphik Pradesh* (back region) and radiates towards the foot. On the basis of the symptoms, Sciatica can be correlated with *Gridhrasi* in *Ayurveda*.

Gridhrasi is included in *Vataja Nanatmaja vyadhi* and also considered as a *Maharoga* by *Acharya Charaka*. In all Ayurveda classics, the description of the diseases is available. But *Sushruta*, the father of surgery has described all the details about the disease.

Keywords: Gridhrasi, Sciatica

INTRODUCTION:

Changing life style of modern human being has created several disharmonies in his biological system as the advancement of busy, professional and social life, improper sitting posture in office, factories and over exertion jerky continuous movements during travelling and sports all these factors creates an undue pressure to the spinal cord and play a chief role in producing lower backache and sciatica. Similar progressive disorders affecting the pelvis and nearer structure are also precipitating in this condition. In this way, this disease is now becoming a significant threat to the working population, improper sitting posture, jerky movement during travelling &sports may worsen the disease condition. 1, 2, 3

Now a day's most common disorder which effects the movements of leg particular in middle age is low backache out of which 40% are radiating pain which comes under

sciatica syndrome which effects daily routine work.⁴ Sciatica is characterized by constant aching pain which felt in the lumber region may radiate to the buttock, thigh, calf and foot ⁵. Sciatic pain radiates along the course of the sciatic nerve ⁶.

According to Stanlay J. Swierzewski, low backache affects 80-90% of people during their life time but sciatica occurs in about 5% of cases. It is common between 30-40 yrs of age and affects both the sexes (male and female) equally. ⁷

On the basis of the symptoms, Sciatica can be correlated with *Gridhrasi* in *Ayurveda*. *Gridhrasi* is included in *Vataja Nanatmaja vyadhi* and also considered as a *maharoga* by *acharya Charaka*. In all *Ayurveda* classic, the description of the diseases is available, but *Sushruta*, the father of surgery has described all the details about the disease. *Sushruta* (2 A.C) has given elaborated descriptions of

aetiopathogenesis, symptomology, management and various other aspects of *Gridhrasi* in his treatise, named *Sushruta samhita*.

The treatment of sciatica is a challenge for the modern medicine and surgery.

- The treatment option for sciatica in present time includes.
- 1. Conservative treatment
- 2. Epidural steroid injection
- 3. Peri-radicular infiltration
- 4. Surgical treatment
- In Ayurvedic texts, there are various type of treatment described for Gridhrasi.
- 1. Oral medication
- 2. Swedana
- 3. Snehana
- 4. Basti karma
- 5. Agni karma
- 6. Siravedha

ETYMOLOGY:

Gridh' is the dhatu which makes the word 'Gridhra' from which the word 'Gridhrasi' is derived. The person, who desires to eat the meat greedily, is denoted as 'Gridhra' and the disease which occurs commonly in these persons is called Gridhrasi 8

Definition of Gridhrasi:

Sushruta:

1. The condition in which *Vata* invading the *Kandaras* (tendons) of the ankles and

toes produces *kshepan* (decrease movement)in the thighs, this disease known as *Gridhrasi*.⁹

Charaka:

2. In *Gridhrasi*, *Nitamba* (gluteal region), *Kati* (lumber), *Prushtha* (posterior of thigh), *Uru* (knee), *Jangha* (calf) and *Pada* (foot) are affected respectively. *Sthambha* (stiffness), *Ruk* (pain), *Toda* (pricking sensation), and *Muhuspandanam* (tingling sensation). These found in *Vataja* type of *Gridhrasi* whereas in *Vata-Kaphaja* type of *Gridhrasi* Tandra (fatigue), Gaurava (heaviness) and Arochaka (aversion) in addition of *Vataja* type are found. ¹⁰

Bhavaprakasha:

3. He explained *Dehapravakrata* (improper posture of body) in *Vataja* type of *Gridhrasi* and in *Vata-Kaphaja* type of *Gridhrasi Gaurava* (heaviness), *Agnimandha*(loss of appetite),

Tandra (fatigue), Mukhapraseka (excessive salivation), Bhaktadvesha (anorexia) in addition of Vataja type Gridhrasi. 11

REVIEW OF LITERATURE NIDANA PANCHAKA of GRIDHRASI:

Nidana (Causative factors)

The particular causative factors of *Gridhrasi* are not mentioned in the classics. The general

causes of *Vata Vyadhi* are considered as the causes of *Gridhrasi* because it is considered in

80 Nanatmaja Vata Vyadhi. 12

Poorvaroopa

Gridhrasi being a Vata Vyadhi, the samanya Purvaroopa of Vata Vyadhi are the Purvaroopa of Gridhrasi. In Samhita Avyakta Lakshana (unmanifested symptom) is the Purvaroopa of VataVyadhi. 13

Roopa

In *Gridhrasi Ruk, Toda, Stambha* and *Muhuspandana* are the cardinal symptoms. ¹⁴

To be more precise about the track of pain, Chakrapani says that the pain starts at Sphik and then radiates to Kati, Prishtha, Uru, Janu, Jangha and Pada in order. Also Sakthik-shepanigraha is added to the list of cardinal signs by Acharya Sushruta and Vagbhata. 15 Tandra, Gaurava, Aruchi, Bhaktadwesha, Mukhapraseka etc. are the lakshana of Vata- Kaphaj Gridhrasi. Some signs and symptoms like Dehasyapravakrata, Janu, Uru Sandhi Spurana etc. have been defined as Vatik Lakshana by Bhavaprakasha, Madhavnidana and Yogaratnakara. Vangasena has also added pain in Payu as one of the symptoms. Samprapti For the disease Gridhrasi, the detailed Samprapti

has not been mentioned in *Ayurvedic* classics. Since *Gridhrasi* is a *Vata Vyadhi*, the general *Samprapti* of *Vata Vyadhi* along with specific available are considered here for the explanation of *Samprapti* there are two main reasons by which *Vata* gets vitiated.

They are *Dhatukshaya* and *Margavarodha*. In *Gridhrasi*, exposure to mild but continuous trauma to *Kati*, *Sphik* region occur because of improper posture, travelling in jerky vehicles,

carrying heavy loads, digging etc. or sometimes spinal cord injury, improperly treated pelvic diseases are responsible for producing *Sthanavaigunya* at *Kati, Sphik, Prishta* etc. They may not be able to produce the disease at the instance, but after acquiring some *Vyanjaka Hetu* (exciting cause), the disease may be produced. Here, the *Samprapti* takes place either by *Apatarpana* or *Santarpana* or *Agantuja*.

DOSHIKA DOMINANCE <mark>IN</mark> *GRIDHRASI:*

According to *Charaka*, *Sushruta* and *Vagabhaṭa Vata Dosha* is dominance in *Gridhrasi*.

Samprapti Ghatak ¹⁶

Dosha – Vata, Kapha pradhan Tridosha **Dushya** – Rakta, Mamsa, Meda, Nadi
sansthan

Adhishthan - Kati, Uru, Janu, Jangha, Pada

Srotas – Raktavaha, Mamsavaha, Medavaha,Asthivaha

Sroto dushti prakar - Sanga, Sira granthi

Agni – Vishmagni, Mandagni Vyadhi swabhava – Aashukari/ Chirkari

Sadhyta - Naveen - Krichrasadhya

SADHYA – ASADHYATA:

Gridhrasi is a Vata Vyadhi and all the Vata Vyadhis become Asadhya (incurable) or Duroopakrama (complicated) if neglected after a certain period of time. 17
Generally, it is seen that Gridhrasi if given proper treatment and if proper diet is maintained together with Nidana Parivarjana is curable but, is usually not Sukhasadhya (easy to cure).

It is usually *Kashtasadhya* (difficult to cure). Also, it is observed that *Vata-Kaphaja Gridhrasi* is easily curable as compared to pure *Vataja Gridhrasi*.

Pathya – Apathya ¹⁸ Nidana sevana results into various pathological changes in the body that creates a disease. Nidana Parivarjana will stop further pathogenesis in the body. Therefore

Pathya & Apathya have a great role with each disease. Gridhrasi, being a Vata Vyadhi, the Pathyapathya mentioned for Vata Vyadhi should be followed.

Pathya— Rakta Shali, Purana Shashtika Shali, Kulatha, Maasha, Godhum, Navin Tila, Lavana, Dugdha, Ghrita, Dadhi, Matsyandika, Dadhikurchika, Patola, Shigru, Vartaka, Lashuna, Tambula, Jal Krida, Samvahan, Parişeka etc.

Chanak, Kalaya, Shyamak, Apathya-Nivar, Kangu, Mudga, Rajmashak, Katthilaka. Nishpavabija, Bimbi, Kasheruka. Tadag, Tatini Jala. Sheetambu, Viruddhanna. Dravyas Having Kashaya, Katu, Tikta Rasa indulgence in sex, excessive riding on vehicles. excessive walking, sleeping on hard beds should be avoided. Chinta, Ratrijagarana, Vegavidharana, Shrama, Vaman Upavasa etc.

CHIKITSA – SUTRA:

In Ayurveda Aushadha is considered as one of the four fold constituents of Chikitsa Chatush-

Pada. Gridhrasi being one of Vata Vyadhi general line of treatment can be explained here. For better understanding these principles of treatment are explained under three headings -

1. Nidana Parivarjana

2. Shodhana Chikitsa.Snehana Karma -

Snehana should be done only in Niroopastambhita Vata. 19 by the word Snehana both external and internal Snehana is included. For internal Snehapana chaturvidha Mahasneha are

indicated. But *Taila* is praised in *Vata* - *Vyadhi* as it is having exactly opposite properties as that of *Vata*. ²⁰

Swedana Karma- Nadi, Prastara, Sankara etc. are the various types of Swedana Karma. ²¹ Virechana Karma- Trivrut, Aaragvadha and Erand Taila should be used for Virechana. ²²

Nasya Karma, Basti Karma- Niruh Basti-Erandmuladi Kwath. Anuvasan Basti-Saindhvadi Taila. Agnikarma- Charaka mentions Siravedha (between the Kandara & Gulfa), Basti (Anuvasan & Niruh) and Agnikarma as the line of treatment for Gridhrasi. ²³

Siravedha- Sushruta, being the master of Shalyatantra has advised only Siravedha at Janu after flexion.²⁴ Siravedha four Angula above or below Janu is mentioned for Gridhrasi in both Ashtanga Samgraha and Ashtanga Hridaya.²⁵

3. Shamana Chikitsa- After completing the Shodhana Karma, Shamana Chikitsa is indicated to subside the residual Dosha. If Dosha Kopa is less, then Shamana Chikitsa is enough and if the patient is very weak, then only Shamana Chikitsa can be used even in Prabhuta Dosha condition.

For Shamana Chikitsa following
medicines are used in clinical practice Nakula Taila (Bhaishajya Ratnavali),
Nakuladhya Ghrita (Bhaishajya

Ratnavali). Brihat Chagaladi Ghrita (Bhaishajya Ratnavali),Maha Narayana Taila (Bhaishaiya Ratnavali), Triguna Rasa (Sahasra Yoga), Sahacharadi Taila (Sahasra Yoga), Rasna Taila (Bhela Samhita), Ksheerabala Taila (Ashtanga Hridaya), Varuni Taila (Sharangadhara Dhatturadi Taila Samhita), (Sharangadhara Samhita), Mashadi Taila (Sharangadhara Samhita), Maharasnadi kwath (Sharangadhara Samhita), Devdarvadi kwath (Sharangadhara Samhita), Sarvaga kampa Rasa (Rasa Ratnakar), Nakula Taila (Harita Samhita), Masha Taila (Vangasena), Maha masha Taila (Chakradatta), Vishagarbha Taila (Yogaratnakar), Rasna Guggulu,

(Chakradatta), Trayodashanga Guggulu,

(Chakradatta). DISCUSSION:

<mark>Gridhrasi is Vata Nanatmaja</mark> Vyadhi. Vata is playing main role in Gridhrasi. Obviously, Pakwashaya is the *Udbhavasthana* of the disease. Among the five types of Vata, Apana and Vyana Vayu are essential factor of Gridhrasi. Apana resides in the lower part of the body especially Kati, Basti etc. Because of various Hetu Apana vayu is vitiated. In Gridhrasi, Sakthiutkshepanigrahat is the main sign i.e., lifting of the lower limb is affected. This clearly explains involvement of Vyana Vayu in the Samprapti as these movements governed by Vyana Vayu. Also, sometimes Kapha is the Anubandhi Dosha producing Vata-Kaphaj Gridhrasi. The Samprapti of Gridhrasi takes place either by Dhatukshaya or Margavarana or due to Agantuja causes like *Abhighata*. Dhatukshayaja Samprapti, due to improper nourishment of Rasadi Dhatu, these Dhatu land into Kshaya avastha. Dhatukshaya further vitiates Vata causing Gridhrasi When Vayu is obstructed by Kapha, Ama etc. it gets vitiated leading to Margavaranajanya Samprapti Gridhrasi. Agantuja factors are mentioned as a cause of Gridhrasi by both the systems of medicine. All these vitiated affect the Kandara of leg. Dosha Movements of leg is the function of Kandara when this Kandara is affected, there is pain in the leg radiating from Nitamba (gluteal region), Kati (lumber), Prushtha (posterior of thigh), Uru (knee), Jangha (calf) and Pada (foot) etc. The is accompanied Toda, pain by muhuSphandanam, Stambha. Due to pain, the upward lifting of leg is painful. Acharya Sushruta clearly mentioned the involvement of *Kandara* in *Gridhrasi*.²⁶ Dalhana explains Kandara as Mahasnayu. According to Vaidyak Shabdasindhu, Snayu are the Nadi that conduct Vayu. According to Sushruta, Vayu in its normal

state, while coursing through its specific Sira helps the unobstructed performance of its specific functions viz. *Prasarana* and *Akunchana* and produces clearness and non-illusiveness of *Buddhi* and the sense organs. When vitiated *Vayu* enters the *Sira*, it causes variety of diseases ²⁷

Sushruta has quoted special variety of Sira called as Vatavaha Sira, which are the channels of movement of Vata, in the senses. Charaka mentions Siravedha between the Kandara & Gulfa, Basti (Anuvasana & Niruha) and Agnikarma as the line of treatment for Gridhrasi. Ayurveda takes a unique approach to the management of above mentioned neuropathies with a special emphasis on eliminating their cause by Panchkarma, physiotherapy and medicinal treatment with help of a wide range of herbal and herbo-mineral drugs. *Panchkarma* therapy is especially advocated in the treatment of neurological diseases. Different type of Snehana, Swedana are efficacious.

Besides special treatment like *Shirobasti*, *Shirodhara* and *Basti* therapy are indicated in such diseases. *Basti* is the best therapy for mitigating *Vata*. *Ayurvedic* philosophy teaches us that the individual with a purely *Sattvik* nature does not experience disease. Likewise, one who is sick cultivates a *Sattvik* mind brings rapid healing to their body. Hence all patients should be

encouraged to reduce stress and cultivates practices such as meditation which bring peace of mind. Modern science have so treatments like Conservative treatment Epidural steroid Injection, Periradicular infiltration, Surgical treatment which are used in sciatica but complication are more in modern science. So Ayurvedic approach of treatment is much better as compared with allopathic treatment. Nidana Parivarjana, Sodhana Chikitsa & Shamana Chikitsa are main route of treatment for any disease. Sodhana may be recommended for Bahu-dosha, Shamana is also essential for removing the remained *Dosha* after *Shodhana* process.

CONCLUSION:

Gridhrasi, a painful condition in which, the person cannot sit and walk properly affecting his normal day to day activity. The Gridhrasi Nidana and Samprapti are not given separately in *classics* but it is one of the eighty Nanatmaja Vata-Vyadhi, the same *Nidana* are applicable in this disease. Clinically also it is observed that Nidana of Vata-Vyadhi such as abhighata, bharaharana, vegavidharana, vishtambhi, ruksha, alpa ahara, dukhasaiya, dukhasana are the most common causes of Gridhrasi. In Gridhrasi, Vata is the main factor producing the disease. Other doshas may also be involved. Gridhrasi being a Vata Vyadhi, the samanya Purvaroopa of

Vata Vyadhi are the Purvaroopa of Gridhrasi. In Samhita Avyakta Lakshana is the Purvaroopa of Vata- Vyadhi.. Rasa, Rakta, Meda, Asthi, Majja dhatu are affected this disease. Nidana Shodhana Chikitsa & Parivarjana, Shamana Chikitsa are main route of treatment for any disease. Shodhana may be recommended for Bahudosha, but Shamana is also essential for removing the remained *Dosha* after *Shodhana* process.

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