



## Management of Katigraha Through Ayurveda – A Case Report

Swapnil Bhojar<sup>1</sup>, Dr. Sourabh Deshmukh<sup>2</sup>, Dr. Trupti Thakre<sup>3</sup> and Utkarsha Khaire<sup>4</sup>

<sup>1</sup> PG Scholar, Department of Kayachikitsa, Mahatma Gandhi Ayurved College Hospital and Research Centre, Salod (H), DMIMSU Wardha

<sup>2</sup> Associate Professor and HOD, Department of Kayachikitsa, Mahatma Gandhi Ayurved College Hospital and Research Centre, Salod (H), DMIMSU Wardha

<sup>3</sup> Assistant Professor, Department of Kaumarbhritya, Mahatma Gandhi Ayurved College Hospital and Research Centre, Salod (H), DMIMSU Wardha

<sup>4</sup> PG Scholar, Department of Samhita and Siddhant, Mahatma Gandhi Ayurved College Hospital and Research Centre, Salod (H), DMIMSU Wardha

**Abstract:** The description of Katigraha is not available as a separate entity in the classics. It is described amongst the eighty by *Nanatmaja Vatavyadhi* in the Charak Samhita. Ayurveda provides a horizon for such patients with its miraculous treatments of Panchakarma, Shamana, Rasayana, Agnikarma, etc. Lumbar canal stenosis is an abnormal narrowing of the spinal canal in the lumbar region, resulting in a neurological deficit that produces symptoms like pain, numbness, paraesthesia, and loss of motor function. Abnormal weight distribution combined with soft tissue laxity and instability over a prolonged period allows for excessive joint play and buckling of the posterior annular fibres of the intervertebral disc (IVD). The main treatment protocol, according to Ayurveda, is the use of both purification and palliative treatment. This case report represents a 56-year-old male patient who came to the OPD complaining of pain in his lumbar, hip, and legs; tingling sensation; stiffness; and walking difficulty. At Kati Pradesh, the trauma caused by the fall led to the vitiation of Vata and kha- vaigunya. Additionally, Agnimandya was already there, which caused ama to develop. He was given both *Shodhana* and *Shamana Chikitsa*. There was a significant improvement in the symptoms, and the patient could do his routine work without any support. This case and its results show that this therapy is effective in lumbar canal stenosis and should be done in a large population. Patients with lumbar canal stenosis can be effectively treated with Panchkarma procedures and oral medications without surgical intervention.

**Keywords:** Katigraha, SamanyajaVatavyadhi, NanatmajaVatavyadhi, Lumbar Stenosis, Panchakarma.

---

### \*Corresponding Author

Swapnil Bhojar, PG Scholar, Department of Kayachikitsa, Mahatma Gandhi Ayurved College Hospital and Research Centre, Salod (H), DMIMSU Wardha.

Received On 6 January, 2023

Revised On 24 April, 2023

Accepted On 10 May, 2023

Published On 1 November, 2023

---

**Funding** This research did not receive any specific grant from any funding agencies in the public, commercial or not for profit sectors.

**Citation** Swapnil Bhojar, Dr. Sourabh Deshmukh, Dr. Trupti Thakre and Utkarsha Khaire, Management of Katigraha Through Ayurveda – A Case Report.(2023).Int. J. Life Sci. Pharma Res.13(6), L86-L91 <http://dx.doi.org/10.22376/ijlpr.2023.13.6.L86-L91>

This article is under the CC BY- NC-ND Licence (<https://creativecommons.org/licenses/by-nc-nd/4.0>)

Copyright © International Journal of Life Science and Pharma Research, available at [www.ijlpr.com](http://www.ijlpr.com)

Int J Life Sci Pharma Res., Volume13., No 6 (November) 2023, pp L86-L91



# I. INTRODUCTION

The description of Katigraha is not available as a separate entity in the classics. It is mentioned as one of the *Vatavyadhi* in *Charak Samhita*. Eighty-nanatmaja *Vatavyadhi* has been mentioned in *Charak Samhita*<sup>1</sup>. It is derived from two words, *Kati* and *Graha*. It is a condition in which the vitiated *Vata* gets localized in the *Kati Pradesh*, producing pain and stiffness. *Ayurveda* provides a horizon for such patients with its miraculous treatments of *Panchakarma*, *Shamana*, *Rasayana*, *Agnikarma*, etc. *Basti* is the main treatment given for vitiated *Vayu*<sup>2</sup>. *Charak* has also started using *Ksheera Basti* processed with *Tikta Dravyas* with *Ghrita* for *Asthipradoshaja Vikaras*. In the management of *Asthipradoshaja Vyadhi*, *Charak* stated *Ksheera Basti* and *Sneha Basti*.<sup>3</sup> *Tikta Rasa* has *Laghu*, *Ruksha*, *Vishada*, and *Parusha Guna*. It also has properties like *Deepana*, *Pachana*, *Lekhana*, *Stanya Shodhana*, and *Kleda Meda Vasa Upashoshana*<sup>4</sup>. Lumbar canal stenosis is an abnormal narrowing of the spinal canal in the lumbar region that causes a restriction to the spinal canal, resulting in a neurological deficit producing symptoms like pain, numbness, paraesthesia, and loss of motor function<sup>5</sup>. It is a type of cauda equina compression with a lateral or anteroposterior diameter of the spinal cord narrowing with or without changes in the cross-sectional area. In this condition, the spinal canal is narrowed at the vertebral canal, a foramen between the vertebrae where the spinal cord or nerve root passes through. The prevalence of symptomatic lumbar canal stenosis was 9.3% overall, 10.1% in men, and 8.9% in women<sup>6</sup>. Acquired lumbar canal stenosis occurs due to joint degeneration related to the spinal cord and vertebra. It can occur congenitally or due to the outgrowth of some bones, herniated discs, tumors, thickened ligaments, spinal cord injuries, or arthritis. Hence, causes of lumbar canal stenosis are occupational overuse of joints, metabolic diseases (hyperparathyroidism, ochronosis, hemochromatosis), or neurological disorders (taps, dorsal, etc.). Obesity is a major risk factor<sup>7</sup>. In modern medicine, the disease is managed by non-steroidal anti-inflammatory drugs, analgesic drugs, physiotherapy, and corticosteroids, but these drugs have

many side effects<sup>8</sup>. The present article deals with a case of lumbar stenosis at L2-L3 & L5-S1 with disc bulge and disc protrusion, which was advised for surgery. It can be considered *Katigraha* in *Ayurveda*, a condition due to deranged *Vata Dosha*. Hence, its management includes *Vatahara* procedures according to *Ayurveda* like *Abhyanga*, *Kati Basti*, *Shatikshali Pinda Sweda*, *Mustadi Yapana Basti*, etc. As per *Ayurveda*, *shoola* (pain) occurs due to the vitiation of *Vata Dosha*. *Vata Dosha* is vitiated by *Srotorodha* (obstructions of channels) and *Dhatu Kshaya* (depletion of tissues). In *Kati Shoola*, *Apana Vata* (a *vata* located in the low back region) is mainly involved. So, the treatment aims to pacify vitiated *Vata Dosha*, especially *Apana Vata*; trauma due to heavy lifting and age-related degenerative changes may be the etiological factors in this case, causing aggravation of *Vata* at its site, i.e., *Trika* and *Kati Pradesh*. Therefore, these procedures were included with oral medications to pacify the *Vata Dosha*.

# 2. MATERIALS AND METHODS

It is a single case study. The patient provided informed consent in his native tongue.

# 3. CASE REPORT

A 57-year-old male patient was brought to Mahatma Gandhi Ayurved College, Hospital and Research Centre, Salod, presenting with complaints of *Katishoola* (pain in lumbar region), *Kati to Ubhaya Prapada shoola* (radiating pain from lumbar region to both lower limbs), tingling sensation in both lower limbs, stiffness in the lumbar region, *Sakashta Chankramana* (unable to walk) and *Sakashta Utkatasana* (unable to sit). The patient had been suffering from the same complaint for 4 months. But in the last 2 months, the severity of symptoms has increased. All routine hematological investigations were within normal limits. MRI reveals LS Spine suggested lumbar stenosis at L2-L3 & L5-S1 with disc bulge and disc protrusion (Figure 2, 3). All vitals were stable (Table I).

Table I: Ayurvedic Examination

Ashtavidha Pariksha	Dashavidha Parishka
Nadi – Vata-pittaj	Prakriti-Vata Pradhan kaphaj
Mala – Samyak	Vikriti- Pittaj
Mutra – Samyak	Sara-Rakta, Asthi
Jivha – Niram	Samhanan- Madhayam
Shabda – Spashta	Pramana- Madhayam
Sparsha – Anushnasheet	Satmaya- Katu Rasa
Druk – No pallor or icterus	Ahara shakti- Uttam
Akriti – Madhyam	Vyayam shakti- Alpa
	Vaya -Madhayam

Shows the Ayurvedic examination of katigraha by Ashtavidha Pariksha and Dashavidha Pariksha. The patient's prakriti was vatapradhan kaphanubadhi. He used to take more katu rasatmaka Sahara in Sahara, like spicy food. At Kati Pradesh, the trauma caused by the fall led to the vitiation of *Vata* and *kha vaigunya*. Additionally, *Agnimandya* was already there, which caused *ama* to develop. This was tainted. Due to *ama*'s preexisting effects, *vata* adopted *sthana sandhya* in *Kati Pradesh*, resulting in *katigraha*. Date of admission: 5/2/2022; treatment was administered over 8 days.

# 4. SYSTEMIC EXAMINATION

Respiratory System—chest bilaterally symmetrical, no abnormal sounds heard SIS2 Cardiovascular System normal GIT System-Soft, non-tender, non-palpable System Musculoskeletal:

1. Inspection: no scoliosis, lordosis, or kyphosis. No swelling, no scar marks, no color change.
2. Palpation - no tenderness, no local temp. raised
3. ROM of Hip: TABLE-I.I
4. Positive Stoop Test

Table 1.1: ROM of Hip	
HIP ROM	BEFORE T/t
Flexion	
Right	20
Left	30
Extension of the hip joint	
Right	0
Left	0
External rotation of the hip joint	
Right	5
Left	10
Internal rotation of the hip joint	
Right	5
Left	10
<b>SLRT</b>	
Right Leg	15
Left Leg	30
Abduction	
Right	5
Left	10
Adduction	
Right	5
Left	10

Table 1.2. Spine	
Forward flexion of the spine	10
Extension of spine	0
Lateral flexion	
Right	5
Left	5

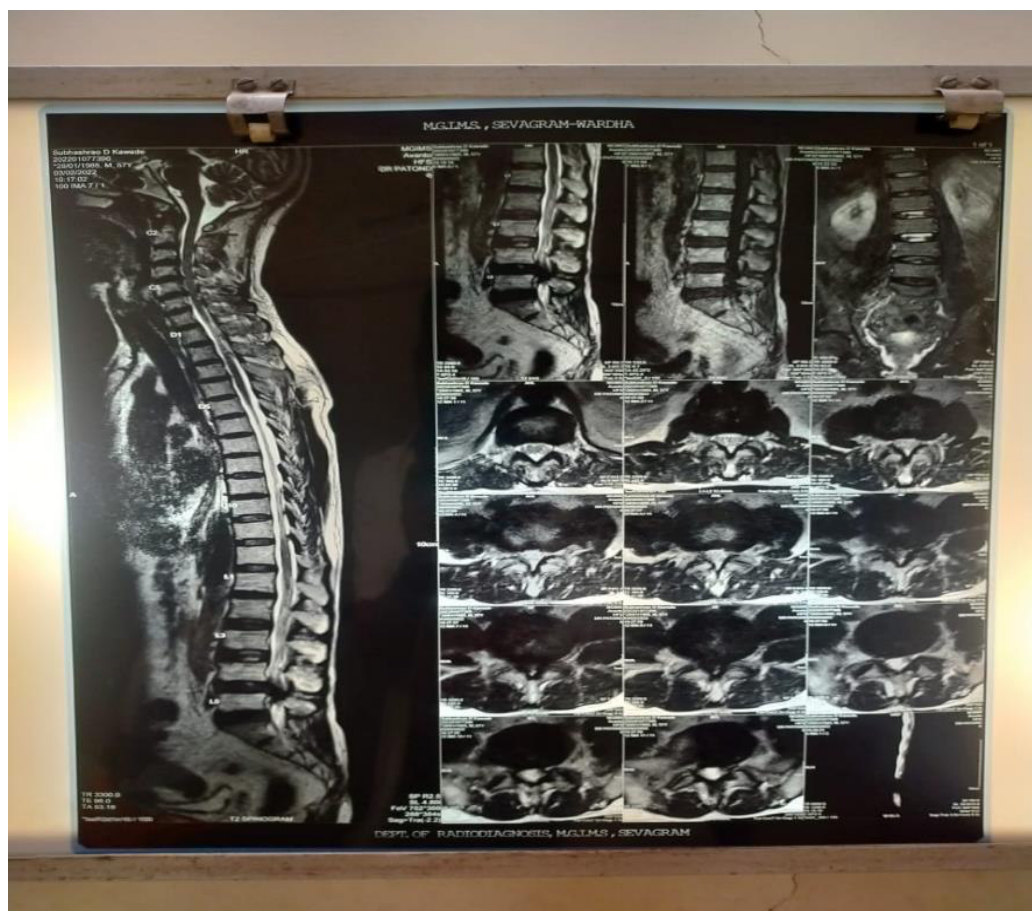


Fig 1: MRI LS SPINE

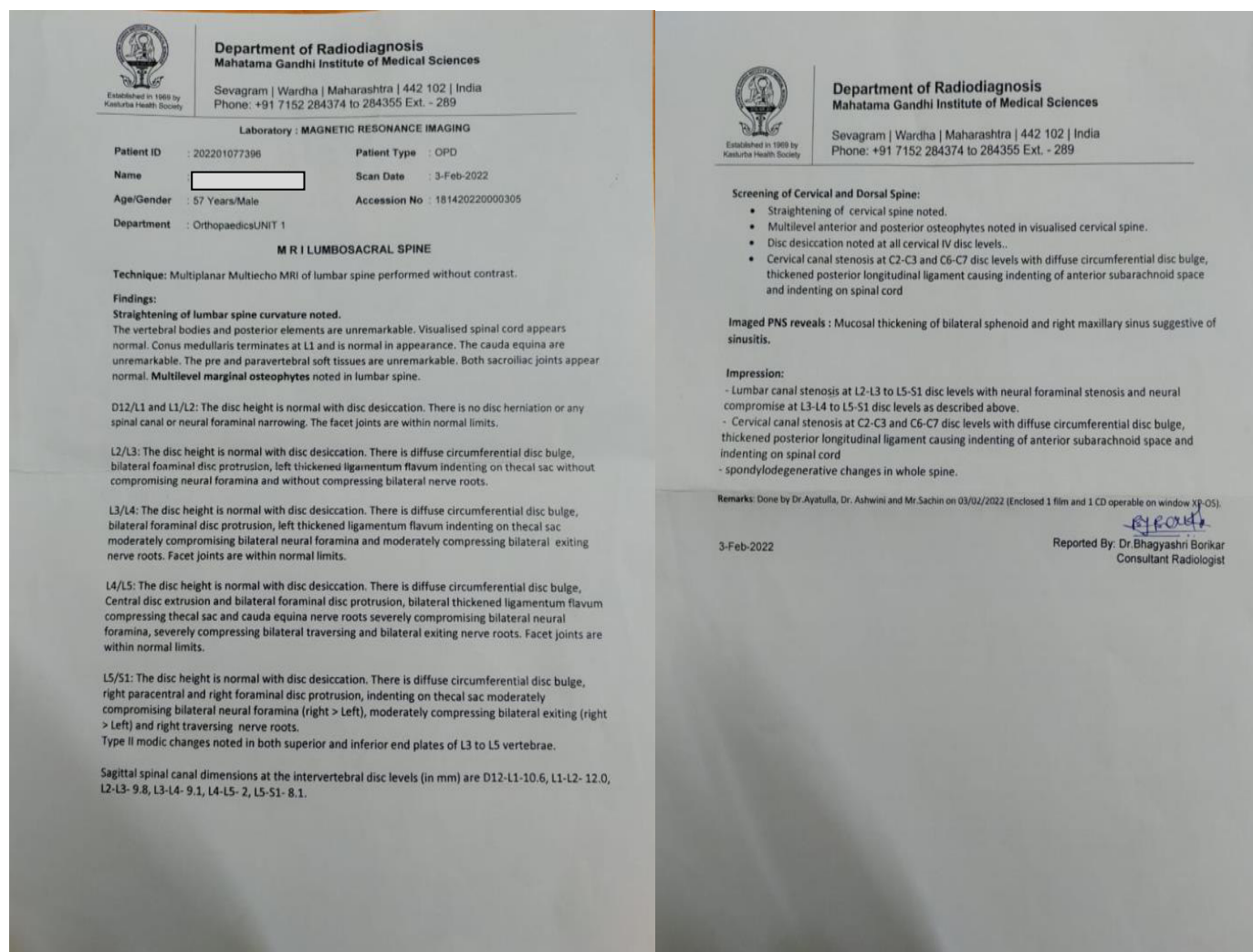


Fig 2: MRI REPORTS

## 5. TREATMENT PLAN

The patient was admitted to IPD, and both *Shodhana* (Table 2) and *Shamana Chikitsa* (Table 3) were started.

Table 2: Shodhana Chikitsa					
Sr.No.	Date	Treatment	Drug	Dose	Duration
1.	5/2/2022 - 11/2/2022	Sarvanga Snehana	Ksheerabala taila	50 ml	7 days
2.	5/2/2022 - 11/2/2022	Sarvanga Swedana	Shastikshali	Q.S.	7 days
3.	5/2/2022 - 11/2/2022	Kati Basti	Dashmoola taila	Q. S	7 days
4.	5/2/2022 - 11/2/2022	Yoga Basti	Ksheerabala taila	50 ml	3 days
		Anuvrasana	Saindhava	10 gm	4 days
		Niruha	Madhu	40 gm	
		(Ananaha kala)	Ksheerabala taila	50 ml	
			Shatpushpa churna	10 gm	
			Bala churna	10 gm	
			Shilajit Vati	10 gm	
			Mustadi kwath	200 ml	
			Mansa rasa	100 ml	

Table 3 – Shamana Chikitsa					
Sr. No.	Date	Medicine	Dose	Anupama	Duration
1.	5/2/2022 - 11/2/2022	Cap. Standard	2 tabs twice a day after meals	Lukewarm water	7 days
2.	5/2/2022 - 11/2/2022	Cap. Palsineuron	1 tab thrice a day after meals	Lukewarm water	7 days
3.	5/2/2022 - 11/2/2022	Ajamansa Rasayana	2 tsf twice a day before meals	Lukewarm milk	7 days

*Lepa* with *Dashanga*, *Shunthi*, *Rasna*, and *Agnimantha Kalka* at the site was given for local application.

This (Table 4) shows the before-treatment and after-treatment observations with percentile results.



Table 4 - Observations and Results			
Tests	Before T/T	After T/T	Percentile Result
VAS Score	08	02	60%
<b>SLRT</b>			
Right Leg	15	60	75%
Left Leg	30	80	62.5%
<b>Abduction</b>			
Right	5	20	75%
Left	10	30	66.33%
<b>Adduction</b>			
Right	5	10	50%
Left	10	20	50%
<b>Spine:</b>			
<b>Forward flexion of the spine</b>	10	40	75%
<b>Extension of spine</b>	0	20	20%
<b>Lateral flexion</b>			
Right	5	10	50%
Left	5	15	75%

Table 5- Result before and after treatment			
Hip Rom	Before T/t	After T/t	
<b>Flexion</b>			
Right	20	80	75%
Left	30	90	66.33%
<b>Extension of the hip joint</b>			
Right	0	10	10%
Left	0	10	10%
<b>External rotation of the hip joint</b>			
Right	5	30	83.34%
Left	10	40	75%
<b>Internal rotation of the hip joint</b>			
Right	5	20	75%
Left	10	30	66.33%
P Value: < 0.01      n = 1			

The patient is symptomatically improved. The subjective parameters show improvement in the clinical symptoms. There is no deterioration in compression in the lumbar vertebra and the degree of canal stenosis. So, this treatment is helpful in lumbar canal stenosis to prevent further complications in lumbar canal stenosis. And studies will be done on the large population.

## 6. DISCUSSION

Katigraha may have influenced the patient in the current lumbar spondylosis case because he has a history of trauma from a few years ago. *Snehana* helps to reduce stiffness and improve the movements of the joints. *Ksheerbala Taila* suppresses nerve inflammation due to its *Sheeta* property, promotes nerve regeneration, and strengthens muscles due to its *Balya* and *Brimhana* properties. It helps with the wear and tear of nervous and muscular tissues. *Bala* having *Madhura Rasa* and *Vipaka*, which is *Vata* and *Pitta Shamaka*, gives strength to tissues, is good for sense organs, and pleases the mind. It nourishes the body. It is said to affect all eighty chronic conditions of *Vata* origin<sup>9</sup>. *Shashtikshali Pinda Swedana* was done for 7 days, which reduces pain, and stiffness and improves the movements of the joints. This helps to reduce the pain and stiffness and improve the overall state of being. *Kati Basti* alleviates pain, reduces stiffness, strengthens the back muscles, and nourishes the muscles and nerves.<sup>10</sup> *Dashmoola Taila* is *Madhura*, *Kashaya Rasa*, *Guru Guna*, *Ushna Virya*, and *Katu Vipaki* that pacify the *Tridoshas*<sup>11</sup>.

*Basti* is considered the best treatment for managing *Vata*. It is *Vata Shamaka*, which strengthens tissues, rejuvenates health, and prevents any recurrence. This *Sneha Basti* helps to eliminate the vitiation of *Vata*. *Lepa* consisted of drugs like *Dashanga*, *Shunthi*, *Rasna*, and *Agnimantha Kalka*. *Dashanga Lepa* is seen acting topically and reducing the *Shotha*, *Vedana*, and *Visha Prabhava*. All drugs (like *Shirish*, *Tagara*, *Yashtimadhu*, etc.) except *Raktachandana* in *Dashanga Churna* have *Laghu Guna*, which makes the drugs easy to penetrate the skin and act locally. *Shirisha* has anti-inflammatory, antioxidant properties, anti-allergic activity, and analgesic activity. *Yashtimadhu* has anti-inflammatory and antimicrobial activity and wound and ulcer healing properties. *Raktachandana* contains anti-inflammatory properties. *Ela* has anti-inflammatory, analgesic, and antioxidant properties. *Haridra* has anti-inflammatory, anticarcinogenic, and antimicrobial properties. The absorbent effect of *Kashaya Tikta Rasa* helps in reducing *shotha*. *Rasna* reduces inflammation and joint pain due to its anti-inflammatory and analgesic properties. The *Ushna Virya* of *Agnimantha* pacifies the *Vata Dosha*. In diseases influenced by the aggravation of *Vata* and *Vatakapha*, the utility of *Agnimantha* is beneficial.<sup>12</sup> *Cap. Shabdard* contains *Shallaki*, *Shunthi*, *Punarnava*, *Nirgundi*, and *Ashwagandha*, which possess analgesic and antiarthritic properties responsible for their analgesic and anti-inflammatory activities. *Nirgundi* has *Shoola* and *Shothahara Prabhava*. *Shunthi* is from *Amapachaka*. *Punarnava* acts as a *Shothahara* and liver protective. It acts as a *Vedanasthapana* due to its *Tikta Rasa*, *Katu Vipaka*, and *Ushna Virya*; the drug pacifies vitiated *Kapha* and *Vata Dosha*,

resulting in a reduction of *Shotha*, *Shoola*, and other related symptoms. The pacified *Vata* in the *Sandhi* helps to rearrange *Shleshaka Kapha* and thereby improves the symptoms of the disease. It also reduces the pain and inflammation without affecting the gastric mucosa. *Cap. Palsineuron* consists of *Mahavata Vidhwansak Rasa*, which improves metabolic processes in the central nervous system and PNS. It activates the neuromuscular communication.<sup>13</sup> *Sameerpannaga Rasa* improves tissue oxidation and regulates blood supply in affected areas.<sup>14</sup> *Ekanvyeera Rasa*: This medication promotes the healing damaged nerves and blood vessels.<sup>15</sup> *Sootshekhara Rasa* provides nutritional support for faster healing of damaged organelles. *Lajjala* has a regenerative effect on neuro-lesions. *Ajamoda* is *Vatahara*, *Shoolahara*, and *Nidrakaraka*. *Ajamamsa Rasayanam* is a very famous Ayurvedic medicine mentioned in *Sahasrayoga*. It is used to treat *Vata* disorders like loss of strength, hemiplegia, etc., and is prepared in ghee and jam form. It helps you gain weight. It is useful to promote bone and joint strength and is an excellent anti-inflammatory and analgesic medicine.<sup>16</sup>

## 7. CONCLUSION

The Ayurvedic therapeutic principle for *Vata* is *snehan swedana* and *basti*. The overall effect of the therapy above demonstrates that lumbar canal stenosis can be effectively cured with a collaborative approach of various Panchakarma procedures such as *Basti*, *Kati Vasti*, and *Shamana Chikitsa*.

## 11. REFERENCES

1. Kushavaha H, editor. *Charak Samhita, Sutrasthan ch. no 20/11*. Varanasi: Chaukhamba Prakashan; 2011. p. 390.
2. Tripathi B, editor. *Charak Samhita, Sutrasthan ch. no 20/13*. Varanasi: Chaukhamba Prakashan; 2010. p. 392.
3. Tripathi B, editor. *Charak Samhita, Sutrasthan ch. no. 28/27*. Varanasi: Chaukhamba Prakashan; 2010. p. 550.
4. Tripathi B, editor. *Charak Samhita, Sutrasthan ch. no. 26/42*. Varanasi: Chaukhamba Prakashan; 2010. p. 484.
5. Genevay S, Atlas SJ. Lumbar spinal stenosis. *Best Pract Res Clin Rheumatol*. 2010;24(2):253-65. doi: 10.1016/j.berh.2009.11.001. PMID 20227646.
6. Tikale S, Umate K, Tiwari M, Mahakalkar C. Management of lumbar canal stenosis through Panchakarma: a case study. *Indian J Forensic Med Toxicol*. 2020 Oct 29;14(4):6381-5.
7. Tripathi KD. *Essentials of medical. Pharmacology*. 5 [Suppl] th ed. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd. 2008:778-9.
8. Ediriweera ER, Gunathilka HD, Weerasinghe KD, Kalawana OT. Efficacy of traditional treatment regimen on *Kati Shoola* with special reference to lumbar spondylolisthesis. *Ayu*. 2013 Jan 1;34(1):86-9. doi: 10.4103/0974-8520.115435, PMID 24049411.
9. Verma J, Mangal G. New Perspectives of *Ksheerabala Taila* (oil): A Critical Review. *IJATM*. 2019 Dec 31;1(1):24-30.

without causing any adverse events, and it may be an alternative lumbar canal stenosis therapy in the current era. This study focuses solely on the presentation of a particular case. This case and its results show that this therapy is successful in lumbar canal stenosis and should be used in a large population. *Katigraha* (lumbar canal stenosis) patients can be effectively treated with oral medications and panchakarma therapy.

## 8. AUTHORS CONTRIBUTION STATEMENT

Swapnil Bhoyar created the notion and theory given. Utkarsha Khaire carried out the calculations. Sourabh Deshmukh and Trupti Thakre confirmed the analytical techniques. Swapnil Bhoyar was encouraged by Sourbh Deshmukh to research [a certain issue], and he oversaw the research's conclusions. Each author contributed to the final manuscript and discussed the findings.

## 9. PATIENTS CONSENT

Written informed consent was obtained from the patient consents, including her permission to take pictures and use them for publication in the journal.

## 10. CONFLICT OF INTEREST

Conflict of interest declared none.

10. Ghose R, Vhora M, Patel KS, Kori VK, Rajagopalan S. Shashtika Shali Pinda Sweda in managing child cerebral palsy spasticity. *J Indian Syst Med*. 2015 Jan 1;3(1):23.
11. Karunagoda K, Shukla Upadhyaya K, Donga S, Tanna C, Dei LP. A comparative study of dashamoola taila matra basti and tila taila matra basti in *Kashtartava* (dysmenorrhea). *Ayu*. 2010 Jul;31(3):305-10. doi: 10.4103/0974-8520.77154, PMID 22131731.
12. Kumar P, Shah KM, Tiwari RR. Integrative Approach in the Management of *Janusandhivata* user to Osteoarthritis. *Int J Ayurveda Pharm Res*. 2022 Apr 30:51-5.
13. Megha G, Joshi DP, Chauhan V. Ayurvedic management of *Pakshaghata* (cerebrovascular accident): A case study. *J Ayurveda Phys Surg (JAPS)*. 2016;3(4) (EISSN 2394-6350).
14. Gawas CP, Pathrikar AA, Paradkar HS, Kamat NM. Ayurvedic management of cervical spondylosis: A case study. *Int J AYUSH Case Rep*. 2021 Mar 25;5(1):27-33.
15. Gupta S, Mahapatra AK, Rajagopalan S. Ayurvedic management of GUILLAIN-Barre SYNDROMEIN Pediatric Age Group: a case report. *Eur J Mol Clin Med*. 2021 Jan 1;8(1):1613-22.
16. Ashwini A, Rajashekhar CV. Cerebellar ataxia and its management-an ayurvedic approach. *J Ayurveda Integr Med Sci*. 2019 Dec 31;4(06):108-14.