AYURLOG



National Journal of Research in Ayurved Science

A peer-reviewed open access Indexed e-journal of Ayurved



http://www.ayurlog.com

"A comparative study of ashwagandha churna and padabhyanga in the management of nidranash (insomnia) w.s.r to geriatrics."

Kamini Mahendra Wasade*¹, Pravin S. Sawant², Sangeeta P. Sawant³

- 1. PG Scholar (Kayachikitsa), College Of Ayurved, Bharati Vidyapeeth (Deemed To Be University) Pune (India)
- Associate Prof., Department Of Kayachikitsa, College Of Ayurved Bharati Vidyapeeth (Deemed To Be University) Pune (India); MOBILE NO. 9890275426; E MAIL: <u>drsawantps@gmail.com</u>
- Assistant.Prof. Department Of Kayachikitsa, Tilak Ayurved Mahavidyalay, 583/2 Rasta Peth Pune-411011; MOBILE NO. 9130774107; E MAIL: sangeetap14@gmail.com

*Corresponding author: Mob.: 9823416442; E MAIL: kaamini008wasade@gmail.com

ABSTRACT

Ahar, Nidra and Bhrahmacharya is considered to be pillars of life. Nidra plays an important role in everyone's life. It gives rest to sensory organs. Nidranash or inadequate sleep will lead to many physiological and mental disorders. Vitiated vata-pitta plays an important role in Nidranash. Due to pacification of kapha dohsa there is a aggravation of Vata and Pitta dosha, and it leads to Nidranash. Ashwagandha is Vata-Pitta shamak and Kaphavardhak, Madhura .Tikta and Kashay Rasa, Sheeta Virya ,Katu Vipak and Laghu, Snigdha, Shleshma Gunas of Ashwagandha Churna acts as a Nidrajanan and Vata-Pittahara. Objective of this work is to see the effect of Ashwagandha churna and padabhyanga with ashwagandha ghrita in the management of Nidranash.

Keywords: Nidranash, Ashwagandha, Insomnia, Nidra, Nidrajanan.Vata-pitta.

INTRODUCTION

Nidranasha is a term of Ayurveda used for loss of Sleep. Ayurveda mentioned three important facts to keep a person healthy status as Aahar (diet), Nidra (Sleep) & Bramhacharya (Celibacy). Out of which Nidra (Sleep) is a state which refills our power of activity which we lose in daily routine and which plays an important role in maintaining health, proficiency and emotional well-being.. Due to loss of sleep person suffers from too many problems related with health. Ayurveda explained may reasons for loss of sleep as like work, age, diseased conditions, constitution and Dosha like Vata & Pitta. These factors directly affect on the sleep and causes loss of sleep (Nidranasha). It is the physiological state of rest of body, mind, sense and motor organ. When the mind is exhausted it gets detract from their object and persons sleep. Nidra is needed for physical and mental maintenance of the body. According to Acharya charak Nidranash is considered as the eighty types of nannatmaj vatavyadhis. It is correlated with the insomnia according to modern science.

Being an eternal science, Ayurveda, the 'science of life', deals with the physical, psychological as well as spiritual well being of an individual.

According to Acharya charak,

ज्म्भाऽङमर्दस्तन्द्रा च शिरोरोगोऽक्षिगौरवम् È

निद्राविधारणात्तत्र स्वप्न संवाहनानि च Ёच . स . सु . ७/४

Acharya Charaka has stated that happiness and sorrow, growth and wasting, strength and weakness, virility and impotence, the knowledge and ignorance as well as existence of life and its cessation depend on the Nidra (sleep). According to him, Nidra gives Putty (Anabolic effect) and Jagarana produces Karshana (Catabolic effect) of the body. Untimely and excessive sleep and prolonged vigil take away both happiness and longevity. As wholesome diet is needed for maintenance of body so is the sleep. Obesity ,leanness and many other conditions are particularly caused by sleep and diet.

यदा तु मनसि क्लान्ते कर्मात्मान क्लमान्विताह È

विषयेभ्यो निवर्तन्ते तदा स्वपिति मानव 🖺 रा.स.सु.२१/३५

Acharya Charaka explained that when the mind as well as soul gets exhausted or becomes inactive and the sensory and motor organs become inactive then the individual gets sleep.

निद्राया मोहमुर्धाक्षिगौरवालस्यजुम्भिका È

अङगमर्दश्र्य तत्रेष्टह स्वप्न संवाहननि च 🛱 अ.ह.४/१२

Suppression of nidra causes the above symptoms like moha, akshihgaurava,alasya , jrumbha, angamarda

निद्रानाशादङमर्दशिरोगौरवजृम्भिकार्AÈ जाडयग्लानिभ्रमापत्त्कितन्द्रा रोगाश्र्व वातजार्AÈ

अ . ह . ७/६४

In Astanga Hridaya Nidrā, Nidrā Vikāras and its chikitsa are mentioned under Annarakshaadhyaya, where Trayopastambhas are explained.

According to modern science insomnia is a condition of inadequate quality and quantity of sleep and Sleep is defined as unconsciousness state from which the person can be aroused by sensory or other stimuli. Human's sleep and awaken at a fairly constant 24 hours rhythm called circadian rhythm. When the brain aroused or awake, it is in a state of readiness and able to react consciously to various stimuli. Since neuronal fatigue proceeds sleep and the sign of fatigue disappear after sleep. Sleep restores energy of the body, particularly to the brain and nervous system. Slow wave sleep may help especially restoring the control of the brain and nervous system over the muscles and other body systems

It is the most common problem but often neglected until it become hazardous. Insomnia has a great impact on social, occupational and other functioning area of individual if it is chronic the person may develop various illness. Modern lifestyle and modern occupations are fuelling more and more expectation and work efficiency from humans. This is outing too much strain on us leading to Nidranash. It must be noted that among all the systemic diseases find their roots in Nidranash at one or other point of time.

AIM AND OBJECTIVES: Aim:

To study the effect of Ashwagandha Churna and Padabhyanga in Nidranash (Insomnia).

Objectives:

• To study the effect of Ashwagandha Churna in Nidranash.

• To study the effect of Padaabhyanga by Ashwagandha Ghruta in Nidranash .

MATERIALS AND METHODS

चूण- हयगन्धाया: सितया सहितच्च सपि-षा लीढम् विदर्धkाति नष्टनिद्रे निद्रामाश्वेव सिध्दमिदम् आ.नि.

(a) material

1) ashwagandha

Sr.no	Drug name	Botanical name	Family	Part used	Quantity
1	Ashwagandha	Withania Somnifera	Solanaceae	Root	10 gm

2) ghruta

- Latin Name: Butyrum departum
- Rasa : Madhura
- Guna : Guru, Snigdha, Mridu
- Veerya : Sheeta
- Vipaka : Madhura
- Doshakarma : Vata-pittahara (Charaka), Pitta-vatahara (B.P.), Kaphakara

3) padabhyanga

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निद्रकरोदेहसुखश्चचक्षुष्यःश्रम्सुप्तिनुत्त्
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पाद्त्वडमृदुकारिचपधभ्यङ्गःसदाहितः ॥ स.च. २४/००

सु ∙चि ∙२४/७0

Massage of feet's brings sleep, is a pleasing and whole some for eyes, removes fatigue, numbress and softness of skin of feet.

Padhabhyanga imparts stability, induces sleep, alleviates fatigue, it is good for vision. It removes physical strain and numbness; also it is good for skin of feet. Application of oil or ghruta to the feet followed by massage is popularly known as pasabhyanga.

METHODS

Type of study:

- Randomised controlled clinical trial.
- Lottery method

Place of study:

• OPD/IPD- Bharati Vidyapeeth Deemed University, Ayurveda Hospital, Pune.

Sample size

- Patients diagnosed with Nidranash will be selected for the study.
- Special case paper will be design.
- 60 patients will be selected for clinical trial under single group using sample size formula.(P= 2.5%) Group A 30 patients,Group B 30 patients.

Sr.No	Group A	Group B
No. of Patients	30	30
Medicine and procedure	Ashwagandha	Padabhyanga
Anupan	Ghruta and khadisharkara	-
Dose	10 gm	-
Time	Nishikala	15-20 minutes nishikala
Route of Administration	Oral	Local application
Duration	28 days	28 ays

PLAN OF WORK:

FOLLOW UP:-

Treatment will be given for 28 Days duration and follow up will be taken once in a week for OPD patients and regular for IPD patients.

CRITERIA FOR ASSESSMENT

- 1) inclusion criteria:
- Gender- either
- Age above 60 years
- Patient having classical features of Nidranash mention in Ayurvedic samhitas.
- Angamarda (Malaise), Akshigaurava (Heaviness), Shirogaurava (Headache), Jrumbha (Yawning).
- Sleep Efficacy Index less than 80%.

2) exclusion criteria:

- Age below 60 years.
- Psychological disorder like Schizophrenia, Depression, Alcoholic.

- Systemic disorder like severe Hypertension, Malignancy, Epilepsy.
- Drug or alcohol induced sleep disorders.
- Insomnia caused by severe pain, Head injury.
- Patient suffering from prostatomegaly,should be excluded.

PARAMETERS OF ASSESSMENT:

Subjective and objective parameters are taken for assessment of results.

SUBJECTIVE PARAMETERS

Jrumbha(Yawning),Angamarda(Malaise), Tandra(stupor),Akshigaurava,(Heaviness) Shirogaurava (Headache)

EFFICACY SCORE SYSTEM severity index:-

Subjective parameters – severity of symptoms will be assessed by grading 0-3 for each symptom as mentioned below-

Absence of symptoms	0 Grade
Mild degree of symptoms	1 Grade
Moderate degree of symptoms	2 Grade
Severe degree of symptoms	3 Grade

Grading of lakshanas :

Grade	Jrumbha	Angamarda	Tandra	Akshigaurav	Shirogaurav
0	No	No	No	No	No
1	Mild	Mild	Mild	Mild	Mild
2	Moderate	Moderate	Moderate	Moderate	Moderate
3	Severe	Severe	Severe	Severe	Severe

OBJECTIVE PARAMETERS

- Based on improvement in sign & symptoms reported by the patients, relief in mental and physical health is assessed on the basis of score developed for grading these clinical factors followed by statistical analysis.
- The sleep efficiency index will be given
- Sleep efficiency is the ratio of the total time spent asleep (total sleep time) in a night compared to the total amount of time spent in bed.

SEI=Time in bed x 100 /Hours of sleep

SEI above 80%	0 Grade	
SEI between 60 to 80%	1 Grade	
SEI between 40 to 60%	2 Grade	
SEI below 40%	3 Grade	

Pittsburgh Sleep Quality Index (PSQI)

- The Pittsburgh Sleep Quality Index (PSQI) was utilized as a more global index of sleep quality and specifically assessed subtypes of sleep disturbance during the past month.
- The Pittsburgh Sleep Quality Index (PSQI) measures retrospective sleep

quality and disturbances over a 1month period for use in clinical practice and research (1). The PSQI discriminates between good and poor sleepers, and provides a brief, clinically useful assessment of multiple sleep disturbances.

Sleep quality	Grade	Sleep latency	Grade
No (very good)	0	No (≤15 min)	0
Mild (fairly good)	1	Mild (16-30 min)	1
Moderate (fairly bad)	2	Moderate (30-60-min)	2
Severe (very bad)	3	Severe (>60 min)	3

Sleep duration	Grade	Habitual sleep efficiency	Grade
No (>7 hours)	0	No (>85%)	0
Mild (6-7 hours) with 1/2 to 1 hour day na	ap 1	Mild (75-84%)	1
Moderate (5-6 hours) without day nap	2	Moderate (65-74%)	2
Severe (< 5 hours)	3	Severe (<65%)	3
Sleep disturbances Grade		Use of sleeping medication	Grade
No 0		No	0
Mild 1		Mild	1

2

Moderate

Moderate

2

Severe

Severe

3

Daytime dysfunction	Grade
No	0
Mild	1
Moderate	2
Severe	3

3

OBSERVATION AND RESULT

	Mea	n		% of	negative	positive	ti		Р
parameter	BT	AT	X	improvement	rank	rank	e	Z	r
JRUMBHA	1.9	0.3	1.6	81.36%	23	0	7	-	0
JKUNIDHA	67	67	0	81.30%	23	0	/	4.63	0
parameter	Mea	n	x	% of	negative	positive	ti	Z	Р
parameter	BT	AT	А	improvement	rank	rank	e	L	L
ANGAMAR	2.9		2.1					-	
DA	33	0.8	3	72.73%	30	0	0	5.10	0
	55		5					6	
parameter	Mea		x	% of	negative	positive	ti	Z	Р
purumeter	BT	AT		improvement	rank	rank	e	-	-
	0.6	0.0	0.6				2	-	0.0
TANDRA	33	33	0	94.74%	10	0	0	2.97	03
								2	
				0./ 0		•.•			
parameter	Mea		x	% of	negative	positive	ti	Z	Р
-	BT	AT		improvement	rank	rank	e		
SHIROGAU	2.6	0.7	1.9	72 500	20	0	1	-	0
RAV	67	33	3	72.50%	29	0	1	5.10	0
							-	7	
	Mea			% of			ti		
parameter			x		negative	positive		Z	P
AKSHIGAU	BT	AT	1.3	improvement	rank	rank	e		
	1.5	0.2		86.67%	18	0	$\frac{1}{2}$	-3.9	0
RAV			0				2		

Mean		ı	v	% of	negative	positive	ti	7	Р
parameter	BT	AT	Λ	improvement	rank	rank	e	L	I
JRUMBHA	2.23 3	0.6	1.6 3	73.13%	26	0	4	- 4.76 5	0

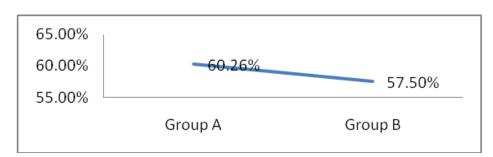
	Mear	n		% of	negative	positive	ti		
parameter	BT	AT	X	improvement	rank	rank	e	Z	P
ANGAMAR DA	2.86 7	0.76 7	2.1 0	73.26%	29	0	1	- 4.90 6	0
parameter	Mean BT	n AT	X	% of improvement	negative rank	positive rank	ti e	z	P
TANDRA	1	0.1	0.9 0	90.00%	15	0	1 5	- 3.62 6	0
parameter	Mean BT	n AT	X	% of improvement	negative rank	positive rank	ti e	z	P
SHIROGAU RAV	2.9	0.66 7	2.2 3	77.01%	30	0	0	- 4.91 2	0
Parameter	Mean BT	n AT	X	% of improvement	negative rank	positive rank	ti e	z	P
AKSHIGAU RAV	1.9	0.23 3	1.6 7	87.72%	22	0	8	- 4.21 1	0

120.00% 100.00% 80.00% 60.00%	85.71%	100.00%
00.00%	Group A	Group B

`SLEEP QUALITY	%of improvement	Mann Whitney u	Z value	p value
Group A	67.11%	385	-1.2	0.23
Group B	66.13%	1 202	-1.2	0.23

As p value>0.05 we found that there was statistical significant difference

between Group A and Group B on SLEEP QUALITY in Nidranash(Insomnia). Also as percentage of improvement seen from above table we get percentage of improvement in Group A was more than Group B hence we can say that Group A is more effective as compared to Group B on SLEEP QUALITY in Nidranash(Insomnia).



SLEEP LATENCY	%of improvement	Mann Whitney u	t value	p value
Group A	67.35%	432	-0.29	0.77
Group B	69.62%			

As p value>0.05 we found that there was statistical significant difference between Group A and Group B on SLEEP LATENCY in Nidranash(Insomnia).

Also as percentage of improvement seen from above table we get percentage of improvement in Group B was more than Group A hence we can say that Group B is more effective as compared to Group A on SLEEP LATENCY in Nidranash(Insomnia)

70.00% 68.00%	67.35%	69.62%			
66.00%	Group A	Group B			

SLEEP LATENCY	%of improvement	Mann Whitney u	t value	p value
Group A	67.35%	432	-0.29	0.77
Group B	69.62%			

As p value>0.05 we found that there was statistical significant difference between Group A and Group B on SLEEP LATENCY in Nidranash(Insomnia). Also as percentage of improvement seen from above table we get percentage of improvement in Group B was more than Group A hence we can say that Group B is more effective as compared to Group A on SLEEP LATENCY in Nidranash(Insomnia)

HABITUAL EFFICIENCY	SLEEP	%of improvement	Mann Whit u	ney	t value	p value
Group A		66.15%	286		-2.74	0.01
Group B		81.82%				

SLEEP DURATION	%of improvement	Mann Whitney u	t value	p value
Group A	60.26%	431	-0.31	0.76
Group B	57.50%	+31	-0.31	0.70
65.00% 60.00% 55.00%	0.26%	57.50%		
Group A	A G	roup B		

As p value>0.05 we found that there was statistical significant difference between Group A and Group B on SLEEP DURATION in Nidranash(Insomnia).

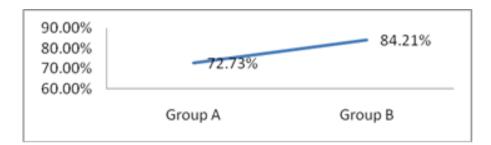
Also as percentage of improvement seen from above table we get percentage of

100.00% 50.00%	- 66.15%	81.82%
0.00%		
	Group A	Group B

improvement in Group A was more than Group B hence we can say that Group A is more effective as compared to Group Bon SLEEP DURATION in Nidranash(Insomnia)

As p value>0.05 we found that there was statistical significant difference between Group A and Group B on HABITUAL SLEEP EFFICIENCY in Nidranash(Insomnia).

Also as percentage of improvement seen from above table we get percentage of improvement in Group B was more than Group A hence we can say that Group B is more effective as compared to Group A on HABITUAL SLEEP EFFICIENCY in Nidranash(Insomnia)



SLEEP DISTURBANCES	%of improv	vement	Mann	Whitney u	t value	p value
Group A	72.73%		137		-0.42	0.68
Group B	84.21%	437			-0.42	0.00
As p value>0.05 we found that			ovemen	t in Group	B was m	ore than
there was statistical significant	difference	Group A hence we can say that Group B is				
between Group A and Group B	on SLEEP	more effective as compared to Group A on				
DISTURBANCES	in	SLE	EP	DISTURE	BANCES	in
Nidranash(Insomnia).		Nidr	anash(Ir	nsomnia)		
Also as percentage of improve	ment seen					
from above table we get perce	centage of					
200.00%						
100.00% -100.00	0%					
0.00%		0.00	%			

USE	OF	SLEEPING	%of	Mann Whitney	t	р
MEDICA	TION		improvement	u	value	value
Group A			100.00%	450	0	1
Group B			0.00%			

Group B

As p value>0.05 we found that there was statistical significant difference between Group A and Group B on SLEEPING MEDICATION in Nidranash(Insomnia).

Group A

But Group A and Group B was not effective on USE OF SLEEPING MEDICATION in Nidranash (Insomnia).

120.00% 100.00% 80.00% 60.00%	% % 85.71%	100.00%
60.00%	Group A	Group B

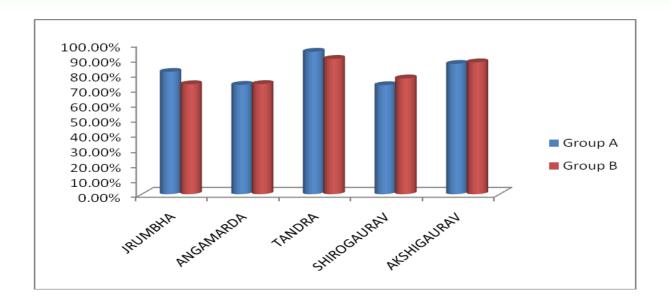
DAYTIME DYSFUNCTION	%of improvement	Mann Whitney u	t value	p value
Group A	85.71%	450	0	1
Group B	100.00%			

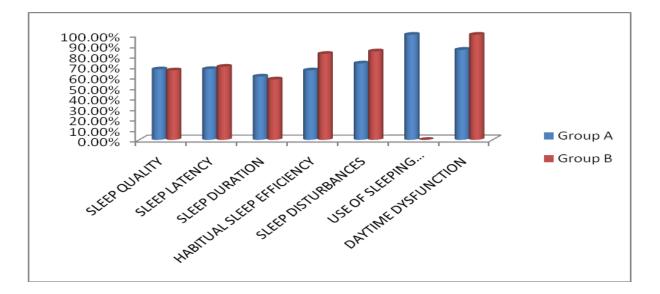
As p value>0.05 we found that there was statistical significant difference between Group A and Group B on DAYTIME DYSFUNCTION in Nidranash(Insomnia). Group A was effective on DAYTIME DYSFUNCTION in Nidranash(Insomnia).but Group B was not effective on DAYTIME DYSFUNCTION in Nidranash(Insomnia).

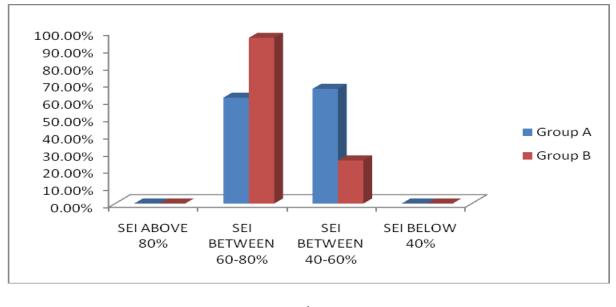
COMPARISON OF GROUP A AND GROUP B ON SLEEP EFFICIENCY INDEX IN NIDRANASH(INSOMNIA).

parameter	Grou	%of	Mann Whitney	t	р
parameter	р	improvement	u	value	value
	Grou	0.00%			
SEI BELOW 40%	p A		450	0	1
SEI DELOW 40%	Grou	0.00%	450	U	1
	pВ	0.00%			
SEI BETWEEN 40- 60%	Grou	66.67%			
	p A	00.07 %	315	-2.98	0
	Grou	25.00%			
	pВ				
	Grou	61.54%	414	-0.69	0.49
SEI BETWEEN 60-	p A	01.5470			
80%	Grou	96.30%			
	pВ	90.30%			
	Grou	0.00%			
SEI ABOVE 80%	p A	0.0070	450	0	1
	Grou	0.00%		U	T
	p B	0.0070			

For Group Sleep efficiency index between 40-60% there were not statistically significant as p value <0.05 but as percentage of improvement seen Group A was more effective than Group B in Nidranash (Insomnia). Similarly For Group Sleep efficiency index between 60-80% were statistically significant as p value >0.05 also as percentage of improvement seen Group B was more effective than Group A in Nidranash (Insomnia).







DISCUSSION

Age-Most of the people belong to age group 60-70 years. In this age group patients are more concern about Nidranash Lakshanas,when I discussed with so many patients, patients above 70 years, they are less concern about their sleep, as per their opinion Nidranash is quite common so they were not willing to take any medicine or treatment.

Gender-Out of 60 patients from both group females are 58% and males are 42%.Females are more concern about their sleep and health and also they are more worried about their personal issues than males, males are quite casual about sleep related problems.

Religion-in this study maximum number of patients belong to Hindu religion.

Marital status-in this study 90% patients were married,8% are widow and remaining 1 patient is unmarried.

Educational status-literate patients found in maximum number in this study.

occupational status-out of 60 patients from both group housewives are 50%, retired 18%, farmer 18%, worker 3%, maid 2%, Vaidya 2%, shopkeeper 2%, businessman 3%.

socio economic status- From this study we found that maximum no of patients belongs to upper middle class

habitat- Urban patients found in maximum count in this study.

agni- Vishamagni found in 43% of patients.

koshtha- Madhyam Koshtha seen in 45%,Krura Koshtha seen in 44%,Mrudu seen in 8%,Manda seen in 2%.

prakruti-60% patients from both group having Vata-Pittaj Prakruti. This shows there is predominance of Vata dosha.

manasik prakruti- 57% patients having Tamasik prakruti and 43% having Rajasik Prakruti. **diet**-Maximum number of patients from both group having mixed diet that is 52% and remaining 48% having vegetarian diet. **viharaj**-Maximum number of patients having light workout that is 45%, sedentary are 30% and moderate are 25%.

vyasan-In this study 18% patients having habit of tobacco chewing.

ON THE BASIS OF SUBJECTIVE CRITERIA

1.jrumbha-

- As p value>0.05 we found that there was statistical significant difference between Group A and Group B on Jrumbha in Nidranash(Insomnia).
- Due to Madhur,Tikta ,Kashay Rasa,Ushna Virya,Madhura Vipak,Laghu,Snigdha,Shleshma Guna and Balya, Rasayani Vata-Pittahara Doshghnata, it helps in reducing Jrumbha Lakshan and hence group A is more effective than group B.
- Compared to local effect of Padabhyanga by Ashwagandha Ghrita in this study, we find the Sarvadehik effect of Ashwagandha Churna in group A was more.

2.angamarda

- As p value>0.05 we found that there was statistical significant difference between Group A and Group B on angamarda in Nidranash(Insomnia).
- Also as percentage of improvement seen from above table we get percentage of improvement in Group B was more than Group A hence we can say that Group B is more effective as compared to Group A Angamarda in Nidranash(Insomnia)

- It helped to reduce Angamarda Lakshana due to Vatashamka local action of Ashwagandha Ghrita found in Nidranash.
- The local effect of Padabhyanga is more as compared to Abhyantar Sevan of Ashwagandha Churna of Group A.

3.tandra

- As p value>0.05 we found that there was statistical significant difference between Group A and Group B on Tandra in Nidranash(Insomnia).
- Also as percentage of improvement seen from above table we get percentage of improvement in Group A was more than Group B hence we can say that Group A is more effective as compared to Group B on Tandra in Nidranash(Insomnia)
- The Lakshanas reduced due to Vatahara karma of Ashwagandha Churna.

4.shirogaurav

- As p value>0.05 we found that there was statistical significant difference between Group A and Group B on Shirogaurav in Nidranash(Insomnia).
- Also as percentage of improvement seen from above table we get percentage of improvement in Group B was more than Group A hence we can say that Group B is more effective as compared to Group A on Shirogaurav in Nidranash(Insomnia)
- lakshanas reduced due to Vata-Pittahara property of Ashwagandha

Ghruta and also due to Medhya Karma.

 Ghrita is Madhur Rasatmak,Madhur Vipak ,Veerya is Sheeta due to these properties there is Vata Pitta Dosha Shaman & it elevates the Shirogaurav.

5.Akshigaurav

- As p value>0.05 we found that there was statistical significant difference between Group A and Group B on Akshigaurav in Nidranash(Insomnia).
- Also • as percentage of improvement seen from above we get percentage table of improvement in Group A was more than Group B hence we can say that Group A is more effective as compared to Group B on Akshigaurav in Nidranash(Insomnia)
- The Lakshanas is reduced due to Tikta Rasa.

RESULT

- The symptoms like Jrumbha,Angamarda,Tandra,Shiro gaurav and Akshigaurav were reduced significantly.
- The comparative study of Ashwagandha Churna and Ashwagandha Ghruta is observed to be effective in reducing the Symptoms of Nidranash .
- P- Values shows that both drugs are statistically significant effective on Nidranash.
- P-values shows that both drug are significantly effective in Nidranash but percentage of improvement of Ashwagandha

Churna is more effective than Ashwagandha Ghruta.

For comparison between Group A and Group B, we have used Mann Whitney U test. From above table we can observe that P-Values for Jrumbha, Angamarda, Tandra. Shirogaurav, Akshigaurav are less than 0.05. Hence is there significant difference between Group A and Group B. Also mean rank for group A is greater than group B. Hence Group A is more effective than Group B

CONCLUSION

- Ashwagandha Churna is effective in reducing symptoms Jrumbha,Tandra,Akshigaurav in Nidranash.
- Ashwagandha Ghrita is effective in reducing symptoms Angamarda and Shirogaurav.
- Padabhyanga helps in reducing Nidranash. It improves sleep quality. It also reduced Lakshanas like Angamarda
- Ashwagandha Churna have better results on Nidranash compare to Ashwagandha Ghrita.
- Madhura ,Tikta and Kashay Rasa, Sheeta Virya ,Katu Vipak and Laghu,Snigdha,Shleshma Gunas of Ashwagandha Churna acts as a Nidrajanan and Vata-Pittahara.
- Hence we conclude that Ashwagandha Churna is more effective than Ashwagandha Ghruta in reducing symptoms of Nidranash
- During this study no any adverse effects and toxicity of drug occurred.

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Conflict of Interest: Non	Source of funding: Nil
Cite this article:	
"A comparative study of ashwagandha churna and padabhyanga in the management of nidranash	
(insomnia) w.s.r to geriatrics."	
Kamini Mahendra Wasade, Pravin S. Sawant, Sangeeta P. Sawant	
Ayurlog: National Journal of Research in Ayurved Science- 2020; (8) (1): 1 - 16	