



Saiddhantic Interventional Panchkarma Chikitsa in Management of Pakshaghata w.s.r to Hemiplegia

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ABSTRACT

The upper motor neuron disease where half of the body become Paralysed, is Hemiplegia. Stroke is one of the main reasons for Hemiplegia. Symptomatology of hemiplegia incorporate impaired motor skills, difficulty in grasping or holding objects, weakness of muscles or stiffness on one side of the body with or without deviation of mouth.

A 58yr old male patient with k/c/o hypertension came to OPD with complaint of loss of movement of both Lt upper limb & lower limb, with slurred speech and with deviation of mouth, fever with expectoration of cough since 15 days. He was diagnosed as *Vama Pakshaghata Panchakarma* therapy i.e *Snehan*, *Swedan*, *Bruhan*, *yapan Basti*, *ShiroPichu*, *Nasya*, *jivha Pratisaran* along a *vachadi yog*, *Agnilepa*, were done along with internal *Ayurvedic* medicine with appropriate hemiplegic exercises

Patient was admitted in our institute for 42 days and showed significant improvement in the objective parameters.

Key Words Hemiplegia, Panchkarma Chikitsa, Shodhan, Nasya, Pakshaghata

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INTRODUCTION

The term *pakshaghata* literally means unilateral paralysis of the body. According to *ayurvedic* literature it has been entitled under *vata nanatmaj vyadhi*¹. The cardinal features of *pakshaghata* includes impaired voluntary activity of body (cheshta nivrutti)², *Vakstambha* (slurred speech), *Hasta pada sankoch*² (clasp knife spasticity). *Pakshaghata* can be correlated with hemiplegia. It can affect either the left or right side of body. Symptoms of Hemiplegia can include weakness in muscle or stiffness on affected side, muscle spasticity or may be permanently contracted

muscle, trouble in grasping objects, poor equilibrium of body. Stroke is one of the commonest cause of hemiplegia. Acute stroke is characterized by the rapid appearance (usually over minutes) of focal deficit of brain function. Hemiplegia with or without indications of a visual field impairment, brain stem deficit, or focal upper hemi sensory loss. 85% of patients who have strokes present with cerebral infarction, which occurs when there is insufficient blood supply to a portion of the brain. The remaining 15% will result from a brain haemorrhage that is intracerebrall ³. Cerebral infarction is mostly due

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thromboembolic disease secondary atherosclerosis in the major cranial artery. About 20% of infarction is due to embolism from heart and further 20% are due to-intrinsic disease of small perforating vessel so called lacunar infarctions⁴. Management is aimed to prevent complications, reducing the patient's disability through rehabilitation and reducing the risk of recurrent episodes. It is surprising that no treatment exist that has been conclusively shown reduction in the risk of disability so to avoid the risk of disability for longer period and to improve the quality of life, keeping the pioneer demand of samprapti of pakshaghata pachakarma chikitsa was selected in the present case.

AIM:- TO ASSESS THE EFFECT OF AYURVEDIC TREATMENT SPECIALY PANCHKARMA SHODHAN CHIKITSA SIDDHANT IN CASE OF PAKSHAGHATA W.S.R TO HEMIPLEGIA

Line of treatment of Pakshaghata disease:-

1.*Nidan parivarjanam* ⁵ (avoidance of etiological factors)- management of treatable Risk factors and disease like hypertension, uncontrolled diabetes mellitus, infective endocarditis, Atherosclerotic vessel, encephalitis.

- 2.Shodhan chikitsa ⁶ (Detoxification therapies) which contains *snehana- abhyanga*, *swedana,lepa-Agnilepa*, which is made from *Chitrak, tulsi, Sunthi, Nitya virechan* with *erand tail, yogbasti kram* with *shriropichu*.
- 3. *Shaman chikitsa –shaman chikitsa, Rasayan chikitsa*⁷ for improve the strength of nervous system. To regain tone of muscle of body.

CASE REPORT

A 58 years old bed ridden male patient came to our institute with complaints of loss of motor movement in left hand along with inability to grasp objects, weakness in left lower limb, unable to walk without support, Deviation of mouth along with slurred speech, fever with expectoration of cough since is 15 days

Patient is known case of hypertension and take oral medication since 6 months in irregular manner. At the time of admission patient was conscious and his vital functions were normal.

Past history- H/o Bidi addiction 2-3 bidies per day from last 20yr.

N/H/O- Any trauma / accidental injury/surgical procedure done.

General examination

- Gc -Moderate
- pulse- 76/min
- BP -140/70 mm of Hg
- *Jivha saam*,
- Nidra-khandit nidra
- Kshudha -Alpa
- Mala and mutra-Samyak,
- Temperature- febrile with on/off fever

Systemic Examination:

- Respiratory system -B/L wheezing sound present with cough expectoration.
- CNS oriented conscious
- cardiovascular system -S1S2 normal
- Per Abdomen- soft Not -tender
- Speech-slurred speech



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hemiplegia.

CASE STUDY

Higher mental function- Appearance
behavior memory, orientation and intelligence

are normal. Detail of CNS examination are mention in table no 01.

Table 1 CNS Examination

	EXAMINATION	RT. LIMB	LT. LIMB
1	sensation	present	present
2	muscle power	UL 4/5	UL 1/5
		LL 4/5	LL 1/5
3	tone	normal	exaggerated
4	reflex	normal	biceps - exaggerated triceps -exaggerated
			knee - exaggerated ankle - exaggerated
			Babinski sign-
			positive.
5.	muscle movement coordination	yes	no
M.R.I	I Brain report of patient had	finding of	s/o acute thrombosis. Clinical features, blood
Acute	e infarct in the Rt. Temporo Par	rietal, basal 1	reports and MRI report findings were suggested

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Table 2 Course of treatment given in the hospital

ganglia, caudate nucleus extending into Corona

Radiata. Middle cerebral artery is not visualized

DAYS	PANCHKARMA SHODHAN CHIKITSA	SHAMAN CHIKITSA
1-7 Days	1.Snehan with mahamasha tail	1. Ampachak vati 500 mg twice a day before
·	2. Petiswedan with Erandamuladi kwath	food
	3.Dashmool rasnadi kwath niruha 800ml	2. Yograj guggul 250mg tds after food.
	Tila tail anuvasan 150ml- Yog basti kram	3.sitopaladi+tankan + yastimadhu churna
	4.Shiropichu with jatamaasi tail OD	tds
	5.Shodhan nasya with Anu tail f/b panchendriya Vardhan tail.	4. Gandharva haritaki churna 10gm bed time (SOS)
8-20	1.Snehan- Chandanbalalakshadi tail(cbl)	1. Yograj guggul 250mg tds after food.
Days	2. mrudu swedan	2. Sitopaladiyog as it is.
•	3.Mustadi yapan Basti (with yamak Sneha - aja majja +Ghrut) Daily	3.Cap.Palsineuron with madhu 2bd.
	450ml	4.cap. Erand tail 1Hs.
	4.Jivha pratisaran with vacha pipalyadi yog	
	5.lepa (Agnimanta, Nirgundi, Tulsi, Maricha)	
	6.Shiropichu with jatamansi+bramhi oil	
	7.Adv Padabhyanga.	
	1.Snehan	1.Ashwagandha shatavari kalpa with milk
21-42days	2.swedan	15ml bd
·	3.karma basti kram with mahasneha anuvasan and dashmooladi	2. Mahayograj guggul 250mg tds after food.
	niruha.	3. Cap.Palsineuron with madhu 2bd
	4.Pratimarsha nasya with panchendriya Vardhan tail.	4. Gandharva haritaki churna 10gm bed
	5. Vachadi ksheer dhooma (steam inhalation)	time(sos)
	6.shronichu lena & Padabhanga continue	

Table 3 Muscle Power Gradation

Sr.No	Extremities	ВТ	AT	
1	Lt upper limb	1/5	4/5	
2	Lt lower limb	1/5	4/5	
3	Rt upper limb	4/5	5/5	
4	Rt lower limb	4/5	5/5	

RESULTS

Pictures during treatment from date of admission:-

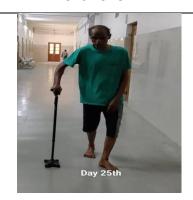


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With support

Without support

Observations were noted before treatment (BT) and after treatment (AT) (as mention in table 3,4 and 5). Patient muscle power as mention in table 03, speech and quality of life were improved as mention in table no 05. Patient improved in walking with support to without support as seen in pictorial form and Also improvement in hemiplegic gait. No adverse effect was reported. The patient had a significant clinical improvement.

Table 4 Lab Investigation

Table 4 Lab Investigation			
LAB PARAMETER	BT	AT	
Hb	13.0	14.1	
Rbc	4.38	4.71	
Wbc	21.8	28.0	
Plt	303	368	
Sr. creatinine	2.63	2.1	
Sgot	30	24	
Sgpt	31	26	
Bsl R	115	110	
Blood Urea	40	26	

Table 5 Assessment of Pateient

Sr.No	Facial deviation	BT	AT
1	Bathing	Yes	No
2	Wrist flexion extension	No	Yes
3	Elbow flexion extension	Painful	Normal

4	Grip power	Mild	Normal
		painful	
5	Grasping of	No	Yes
	object		
6	Catching of	No	Yes
	object		
7	Throwing of	No	Yes
	object		
8	Tying the knot	No	Yes
9	Tingling	No	Yes
	sensation		
10	Getting up from	Yes	No
	squatting		
	position		
11	Forearm	No	Yes
	supination		
	pronation		
12		Mild	Normal
		Painful	

DISCUSSION

Pakshaghata is type of nanatmaj vyadhi of vata dosha. It get vitiated and occupies the rikta strotas in body. Ultimately it causes vatvyadhi. Vitiation of Vata dosha suggestive of depletion in Snigdha and Shlakshana guna. Increase in ruksha guna of vata causes rukshta, kharata in The line of treatment of samanya vatavyadhi i.e. snehana, swedana followed by mrudu shodhana and then







followed by snehana, swedana with Nadiswed with Dashmool Erandadi kwath, bruhana-yapan basti were done as per chikisa-sutra of pakshaghata as explained by Ashtanga sangrahakara ⁰⁸as mention in table no.02.

Acharya charak elucidated, Virechana as prime shodhana therapy⁹ .In above case Erand Sneha was administrated for virechana in hina matra as mrudu shodhana¹⁰. Acharya charak mentioned the benefits of shodhan therapy which are indriya bal varna, buddhi prasadan, strotas shodhan, kayagnivardhan, vyadhi upshaman, urja Prapti ¹¹. Treatment plain was divided into three consecutive time period mainly which was started from snehan, swedan, yog basti kram was given for first seven days along with murddhni tai Kalpana and Nasya procedure was done.

According to charaka, Basti is one of the best treatment for vatavyadhi¹². Basti eradicates vitiated vata dosha from the root. During first seven days of treatment plain, daily snehan with mahamasha tail because snehan karma is the general treatment of vaat vyadhi. swedan given by sarvanga petiswed were done. This swedan type belongs to the category of agnisweda as well as drava swed. For petisweda Erandmuladi kwath was used which contain Erand, bilva, agnimantha, shreyasi (haritaki), bala .these all are capable to normalise the vitiated vaat. Yog basti plan was arrange for this to do mrudu shodhan. Niruha basti was given by using Dashmool rasnadi kwath 800ml and Tila tail anuvasan 150ml was given along with oral medicine were given which was mentioned in the

table. *shiropichu* which is the *murddhni tail Kalpana* having cotton soak in *jatamaasi tail* and place on frontal forenells of scalp. This Kalpana of *murddhni tail* is not only helpful to normalize the vitiated *vaata* but also nourishes the *indriya* of body¹³. *Nasya karma* was given by using *anu tail* twice a weak followed by *panchendriya Vardhan tail*. The *anu tail* is a *shaman nasya* in nature. *Anu tail nasya* was given twice time in a weak in *madhyam matra*. Its diminished all vitiated *doshas* with stronger the *indriyas as mention in table no 02*.

Panchendriya Vardhan nasya is given in pratimarsha matra of 2-2 drop each day as a bruhana. Patient was cough with expectoration with wheezing sound in auscultation of chest hence Sitopaladi + Tankan + Yastimadhu churna 5gm each with makshik was given due to its kaphagnya rasayan karya of this medicine yog as mention in table no.2.

Anga gauravta, kshudha mandya, saam jivha, aampachak vati 500mg was given. Pt koshta was krur in nature but during first seven days mal pravatan was samyak in nature and hence Gandharva haritaki churna 10 gm bed time given in sos manner or as a koshtashuddhi.

After yog basti, Second slot of treatment was started. For the bruhana chikitsa point of view, dhatu bruhankar dravya chikitsa was given. Bahya snehan was given by Chandanbalalakshadi tail with mrudu nadi sweda to the affected part of body. In this slot of treatment mustadi yapan basti was plan between day 8 to day 20 of treatment. Mustadi yapan basti November 10th 2023 Volume 19, Issue 3 Page 51

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CASE STUDY

has *vatahara*, *balya* and *bruhaniya* in nature. It provides nourishment to nervous system. The *basti* which promotes the longitivity of life is called *yapana basti*¹⁴.which are *stroto shodhak* and *bruhaman* at a time. It can be given to any one at all times with having less chances of *vyapat* cause by it.

According to modern science, The neuron contains 65-85% of water. In the solid part of brain 51% protein present in it. Also consist of nucleo-protein and fat like substances. So due to Samanya vishesh Siddhant¹⁵. Snehana therapy due to similar constitution with nerve fibre may be help in restoration the degeneration and restore the normal function of the affected part of nerve tissue. Special type of swedan called mrudu swedan was done. During mustadi yapan basti which contain yamak Sneha along with aja majja.Due to this snehan and swedan dravya karma So it is helpful for muscle strengthening and reduces spasticity causes due to hemiplegia. Jivha pratisaran with vachadi yoga and pratimarsha nasya, lepa therapy, vachadi ksheer dhoom pan i.e steam inhalation were done as routine procedure for daily subject Strengthening of facial muscle and to improve slurred speech. In vachadi jivhapratisaran, vacha, yasthimadhu, akarkara, and pippali are taken in same quantity in powdered form and mixed with maksheek and adviced for local application for apply on tongue as mention in table no.2, gums for fifteen-twenty minutes twice a day daily and then told to gargle with lukewarm water. It cleans the *jivha* and help to improve normal salivation process.

Pratimarsha nasya can be given daily and even in every climatic condition of season. It is given in two drops *matra* in each nostril¹⁶. *Nasa* is doorway to *shira* (head) the drug administered in the nasal cavity are absorbed better.

Due to stiffness of left extremities, lepa was given for local application.it was prepared by *Agnimanta*, *Nirgundi*, *kushna Tulsi*, *Maricha* due to *ushna*, *tishna guna*, *ushna virya* of these dravya, its was applied simply mixture of all *churna* of these *dravya* with luke warm water and applied on affected part of body *as mention in table no.*2. It penetrate through micro chanel of the skin and concern part of application become active. Due to this *lepa jaddatva*, *stabdhatva* became diminished.

In Vachadi kshira dhooma which is the special type of fomentation therapy by preparing milk containing vacha, yashtimadhu are used for facial fomentation. Ksheer dhoom is special ayurvedic treatment where patient is made to face warm medicated vapours of milk as mention in table no.2. This type of herbal steam inhalation are also useful in speech disorder, nervous disorder, stress, facial paralysis disorder, anxiety. Ksheer dhooma provides strength to facial muscle and nerve and help in recovery and also help to remove spasm in muscles and enables easy movement of joint. It also relives stiffness of tongue muscle and help in easy movement and hence improving slurr nature of speech.





Patient was complaining for constipation and loss of sleep so capsule *erand* oil 15ml with half cup luke warm water at bed time daily was started along with *padabhanga* was advice by *chandanbalalakshadi* tail for loss of sleep.

Cough with expectoration was mostly resolved but *sitopaladi yog* was continued.

After yapana basti, third slot of treatment was started. Bahya snehan was given by Chandan bala lakshadi tail with mrudu nadi sweda to the affected part of body continued. The karma bast karma was selected for this slot i.e. mahasneha anuvasan and dashmooladi niruha was given as per Samhita. Mahasneha is a class of four major unctuous substances like ghee (ghrita), edible oil (taila), muscle fat (vasa) and marrow (majja) was used in the treatment as mention in table no.2.

CONCLUSION

Snehana, swedana and mrudu samshodhana are selective therapy for vatavyadhi. In this case of pakshaghata, Basti karma was done which eliminates the vitiated doshas from body. Followed by (Yapan and brihan basti) restores strength and complexion of body. Vachadi ksheera dhooma and vachadi jivha pratisaran remove stiffness and spasm of tongue muscle and facial muscle, hence helping in improving speech. So combined all panchakarma therapy shows remarkable result in Pakshghata. This is a single case study and showed significant result. Further study is required on number of cases for evaluation.





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