

International Journal of Advance and Applied Research

www.ijaar.co.in

ISSN - 2347-7075 Peer Reviewed Vol. 12 No. 6 Impact Factor - 8.141

Bi-Monthly

July - August 2025



A Clinical Case Report In The Management Of Phakka Roga W.S.R To Delayed Developmental Milestones In Children: An Ayurvedic Approach

Dr. Chandramouleeswaran P¹, Saraswathi S² & Jaya Pandey³

¹Principal, Professor, Department of Panchakarma, Ayurveda college & Hospital, Coimbatore ²Undergraduate scholar, Ayurveda College & Hospital, Coimbatore ³Undergraduate scholar, Ayurveda College & Hospital, Coimbatore Corresponding Author - Dr. Chandramouleeswaran P

DOI - 10.5281/zenodo.17176246

Abstract:

The term Development indicates combined growth of physical, cognitive, communication and socio-emotional factor at proper time. Any delay in achieving these milestones in 2 or more domains of development is considered as Global Developmental Delay, which has a prevalence of 52.9 million cases worldwide. In Ayurveda Phakka roga mentioned by Acharya Kashyapa, explains about the impaired development of physical and psychomotor factors of a child resulting in walking disability. A 2 year 2 months old male child was brought to Panchakarma OPD of Ayurveda College Coimbatore having complaints of inability to stand and walk without support, improper speech associated with impaired socioemotional factors. The child was admitted and treated with appropriate external therapies and internal medications in two sittings. Before and after treatment he has been assessed and noticeable improvements in speech, walking without support, waving a bye was observed. Ayurveda treatment thus proves to be highly effective in the management of developmental delays.

Keywords: Global developmental delay, Milestones, Phakka, Santarpana

Introduction:

Developmental delay is called so when a child does not reach an expected developmental milestone at the anticipated age. Developmental milestone includes sensorimotor, cognitive, communication and socio emotional behaviour. The Global estimation of WHO shows that 52.9 million children under 5 years of age struggle with developmental disabilities.1 The major causative factors include trauma, low birth weight, genetic, exposure to toxins, poor nutrition, pregnancy complications, premature birth, etc. Developmental delay is broadly divided into 2, viz., Global developmental delay, where 2 or more milestones affected2 & Specific developmental delay where any one developmental is factor impaired. Ayurveda, etiopathogenesis of delay can be understood through scattered references like janma bala pravrutta vyadhi, vrudhikara bhava, asthimajja gata vata, graha roga etc. A much similar condition is described in Kashyapa Samhita called as Phakka roga where a child is unable to walk even after attaining one year of age with associated the affected overall development.³

Patient Information:

A 2 years 2 months old male child had reported to the outpatient department with complaints of inability to speak (rarely monosyllable), unable to stand and walk without support, lack of gestures for requirements like food, toys etc

History of Present Illness:

The patient was apparently normal since birth and had normal development up to the age of 5 months. Gradually, the patient's mother started noticing a delay in his activities such as rolling over, standing with and without support, speech, walking with support etc in comparison to the children of the same age group. Patient's mother waited till age of 2 years and found improvement. So. she consulted no Panchakarma OPD of Ayurveda College and Hospital, Sulur, Coimbatore for treatment.

Antenatal History:

Non-consanguineous marriage, healthy parents and no history of abortion or chronic illness. Mother had regular ante natal check-ups and no history of Rh incompatibility, hypothyroidism, hypertension, jaundice, malnutrition, diabetes or infection during her pregnancy and had proper macro and micro nutrient supplements throughout the period. No history of mental stress was reported.

Natal History:

Patient is second child of parent, completed 35 weeks of gestation, weighed 3.5kg at birth. Delivery by LSCS due to lack of engagement of head. Post labour was uneventful.

Post Natal History:

No history of neonatal jaundice or severe diarrhoea post birth. Baby cried immediately after birth and breast feeding was started from the very first day. At age of 1 year, patient had a fall from bed, but there was no history of severe trauma. No other post-natal complaints were noted. The quantity of breast milk was insufficient, so formula milk (similac) was provided till 6 months along with breast feed. Weaning was started by the age of 6 months with rice. From 9th month formula milk was replaced with cow's milk.

Developmental History:

Gross Motor:

MILE STONE	NORMAL AGE ³	ATTAINED AT
Neck holding	3 months	4 th month
Rolls over	5 months	7 th month
Sitting with support	6 months	8th month
Sitting without support	8 months	9 th month
Standing with support	9 months	1 year 2 months
Standing without support	12 months	Not attained
Walking without support	15 months	Not attained
Runs and explores drawers	18 months	Not attained

Fine Motor:

MILE STONE	NORMAL AGE	ATTAINED AT
Palmar grasp	6 months	9 th month
Pincer grasp	9 months	1 year
Scribbling, 2 blocks, turns	15 months	Not attained
book pages		
Scribbling, 3 blocks	18 months	Not attained
6 block tower	2 years	Not attained

Social and Adaptive:

MILE STONE	NORMAL AGE	ATTAINED AT
Social smile	2 months	2 nd month
Recognises mother and	3 months	3 rd month
anticipates feeds		
Recognises stranger,	6 months	6th month
stranger anxiety		
Waves bye bye	9 months	Not attained
Comes when called plays	12 months	1.5 years
simple ball games		
Jargon	15 months	15 months
Copies parents in task	18 months	Not attained
Asks for food, drink, toilet	2 years	Not attained
and pulls people to show		
toys		
Share toys and knows full	3 years	-
name and gender		

Language:

MILE STONE	NORMAL AGE	ATTAINED AT
Alert to sound	1 month	1 month
Cooing	3 months	3 rd month
Laughs loud	4 months	4 th month
Mono syllable	6 months	7 th month
Bi syllable	9 months	10 th month
		(Stopped within 2 months)
1-2 words with meaning	12 months	Not attained
8 to 10 words with meaning	18 months	Not attained
2 to 3 word sentences using	2 years	Not attained
I, me, you		

Treatment History:

Occupational therapy was given for 3 months but only mild improvement like rare enunciation of maa, baa was elicited in speech

Physical Examination Findings at the time of admission (28/9/24):

Weight – 10.5 kg, Height – 86cm, Head circumference – 48 cm, Chest circumference – 53 cm, Child able to chew, maintains eye contact for a few seconds, Speaks rarely that too only monosyllable like 'ma' 'ba'.But he does not follow instructions, difficulty in holding objects, cannot climb stairs, cannot express demands for food and toilet, fulfils his demands by crying, pointing – not present, not calling 'amma' or 'appa'

Central Nervous System Examination:

Higher Mental Function: Conscious, alert, and oriented, Speech – very less, only monosyllable

Cranial Nerve Examination: No apparent cranial nerve palsy, 8th CN – turns to sound, 9th and 10th CN– gag reflex affected, 12th CN – no tongue atrophy or deviation, ptosis, and nystagmus – absent

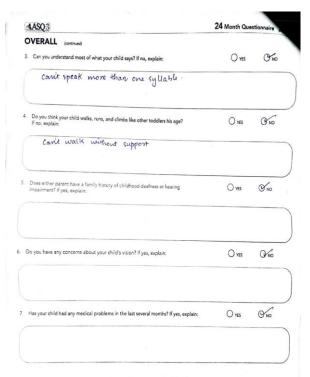
Co-ordination: Finger nose test – unable to perform, Heel shin test - unable to perform Sensations – intact

Motor System: Gait – not able to elicit, Posture – genu varum, Bulk – no atrophy or pseudo atrophy elicited, Tone – normal, Reflexes – exaggerated, Grip – weakness present

Diagnosis:

As per the clinical symptoms and ASQ 3 Questionnaire, the child is diagnosed with developmental delay.

responses a In the chart	re missing below, tr	g. Score ansfer ti	each ite he total	o chai em (YES scores,	RT BELC = 10, S and fill i	W: See OMETI In the ci	ASQ-3 MES = 5 rcles co	User!	Guid YET :	le for = 0).	details Add ite	i, includ em scor	ing how es, and	to adju	st score each are	s if item a total.
Area	Cutoff	Total Score	0	5	10	15	20	25		10	35	40				
Communication	25.17	0	0	0	O	0				7	0	40	45	50	55	60
Gross Motor	38.07	0	0	0	n	n	ñ	ř		1		0	0	0	0	0
Fine Motor	35.16	0	0	0		n	ñ	ň		-	7	20	0	0	0	0
Problem Solving	29.78	0	9	0		ň	H	ř		1	0	7	0	0	0	0
Personal-Social	31.54	0	0			ř	×	H			0	7	0	0	0	0
 Hears we 	11?					Ves	NO NO					SQ-3 U vision?	ser's Gu	ide, Ch		Ns/
Hears we Comment	11?					Ves				erns :	about		ser's Gu	iide, Chi	yes	Ne/
Hears we Comment	ll? is: other too					Yes Yes			Conc	ments	about s: cal pro			ide, Ch		Ned Ned
Hears we Comment Talks like of Comment	II? is: other too s: d most a	ddlers h	is age?			Ves			Conc Comr Any r Com	ments medic medic ment	about s s: cal pro ss; about	vision?		ide, Ch	YES	Ned No
Hears we Commen Talks like Comment Understan	ll? sther too s: d most o	ddlers h	is age? your chi	ild says	?	Yes Yes	NO No		Any r Comi	ments ments medic ment cerns ment	cal pro cal pro about	vision? blems? behavi		ide, Ch	YES	No No



The MOTION The Company and the company of the comp	SER MOTOR The comment of the price of the comment	1003		SOMETIMES	NOT YET		4ASQ3		24 Month C	neti
SEEM SOLVING The state of the	RESIDENCY CONTROL CONT	ASQ3			-	_		ver		
COMMUNICATION COMMUN	COMMONICATIONS COMMONICATIONS	NE MOTOR	0	O	U		6. Does your child correctly use at least two words like "me," "L" "mine,"			N
SCROSS MOTOR IT CROSS MOTOR TOTAL TOTAL CROSS MOTOR TOTAL CROSS MOTOR TOTAL CROSS MOTOR TOTAL TOTAL CROSS MOTOR TOTAL CROSS MOTOR TOTAL CROSS MOTOR TOTAL TOTAL CROSS MOTOR TOTAL CROS	The property of the property o		0	0	0	_	and you'r	O		
The proof of the district of the proof of th	The provided and the pr		0	0	Ø	_	GROSS MOTOR		COMMUNICAT	TION T
SECOND CONTROL	See your child will be sell before the property of the control of the property of the p	Does your child use a turning motion with his hand while trying to turn doorknobs, wind up toys, twist tops, or screw lids on and off jars?		0	d	_	Does your child walk down stairs if you hald any	-		,
Section of the date and severe mail blocks or top care of each of the control of	The second of the control of the con	Does your child flip switches off and on?			/	_			O	
The Mort Continues of the State	PRE MOTOR TOTAL The proper did along an internal control to be back of the control to design and the control to design an		0	O			When you show your child how to kick a large half does be	0	-	
PREMOTOR TOTAL SELEM SOLVING SELEM	PRE MOTOR TOTAL SEEMS OUVEN To the statement was repair to seem on the total of the control of	hat are about 1 inch in size.)	0	0	6	_	into it? (If your child already kicks a ball, mark "yes" for	0	0	
BLEM SOLVING 15 COMPANY SOLVING 16 COMPANY SOLVING 16 COMPANY SOLVING 16 COMPANY SOLVING 16 COMPANY SOLVING 17 COMPANY SOLVING 18 COMPANY S	BLEM SOLVING Core to "ye" Co		0				this item.)			
BLEM SOLVING Court is "a" contracting you do do as a first from this top of the same and the sa	BLEM SOLVING The standing you do may as live from the to got of the control of t	acaroni, or pasta wagon wirees shoelace?		FINE MOTO	RTOTAL	-				
The state of the control of the cont	As Dies your child purp with being have grown the service of the s	BLEM SOLVING	YES	SOMETIMES	NOT YET	/	Does your child walk either up or down at least two steps by hersail? She may hold out the	0	0	
The state of process of the state of the sta	The state of the control and a crayen in great or go and an arrange of the control of the contro		0	0	0		The same of the sa			
To committee of Chemical in disciplination and an incident learning of the committee of the	The position of Charlesto distinguish as small, clear bentin, diese would prove a date in the middle grows any one of the considered of the control of the c	your child copy you by drawing a single line on aper in any direction? (Mark "not yet" if your					9			
SOBNEM SOLVING **SONAL-SOCIAL TOTAL **SONAL-SOCIAL TOTAL **SONAL-SOCIAL TOTAL **SONAL-SOCIAL TOTAL **TERSONAL-SOCIAL TOTAL **TERSONAL-SO	Agent & Support Challed present objects are something glies for example, to get a support of the present objects are something glies for example, to get a support of the present objects are something glies for example, to get a support of the present objects are something glies for example, to get a support of the present objects are something glies for example, does not be supported objects are something glies for example, does not be supported objects are something glies for example, does not be supported objects are something glies for example, does not be supported objects of the substitute of t	A-C1			1		Does your child run fairly well, scopping herself without bumping into things or falling?	0	0	
sport child present dispects are constrainting in a fact and provided provi	Sport and proposed degree are consenting to the subspace of the control of the co	child turn the bottle upside down to dump out the crumb or erio? (Do not show him how.) (You can use a soda-pop bottle or	0	0	10	_	go.			
same time? See your daily and time, and promoting it is a billegionary of the property of the	Section of the distance of the real protection of the section of t	by bottle.)	0	0	d		5. Does your child jump with both for the contract of the cont			
Ages of Super Construction of the sty shall, find believed goes on his bed, did with a force of the style shall, find believed goes on his bed, did with a force of the style shall, find believed goes on his bed, did with a force of the style shall, find believed goes on his bed, did with a force of the style shall, find believed goes on his bed, did with a force of the style shall, find believed goes on his bed, did with a force of the style shall be shall b	Age of all got before the specific point of the public point of th	s your child hold a cup to her ear, pretending it is a telephone. s she out a box on her head, pretending it is a hat? Does she use a	J		/		same time?	0	0	
The power of the standard companies and the standard goes on his back distingt go in the standard goes on his back distingt go in the standard for companies go in the standard go in the standard for companies go in the standard go in the standar	South to the place of the students of the power of the students of the student	c or small toy to stir food?	0	0			8			
To stand of on to sect it for example, to get a top on a counter or to come to to to sect it for example, to get a top on a counter or to come to to to sect it for example, to get a top on a counter or to come the form of the bitcher? Age & Super Commonwell The Edition (MO2-77) South & Bitcher Commonwell The Edition	The second of the second contract, does not find a chair or contract reach, does not find a chair or contract reach, to get a large on a country or the kinched? Second of the second o	now his toys belong on the toy shelf, his blanket goes on his bed,	U		· ·	_	0			
Ages & Super Constitutionalized, That Edition (PAC) 775. Source & Bindow \$ 24 Month Questionnalize PROBLEM SOLVING Free State & Broken Publishing Ca. All rights reserved. 24 Month Questionnalize PROBLEM SOLVING Free State & Broken Publishing Ca. All rights reserved. 25 SOMPTHAS NOT YET SOMPT	Age & Singer Dissertance and That Statistic photo Programs & Bodor 24 Month Questionnaire 25 Sept main Street and Statistic photo Programs & Bodor 26 Sept main Street and Statistic photo Programs & Bodor 27 Somewhat Street & South Statistic photo Programs & Bodor 28 Month Questionnaire 29 Sept main Street & South Statistic photo Programs & Bodor 29 Sept main Street & South Statistic photo Programs & Bodor 20 Sept main Street & South Statistic photo Programs & Bodor 20 Sept main Street & South Statistic photo Programs & Bodor 20 Sept main Street & South Statistic photo Programs & Bodor 20 Sept main Street & South Statistic photo Programs & Bodor 20 Sept main Street & South Statistic photo Programs & Bodor 21 Sept main Street & South Statistic photo Programs & Bodor 22 Month Questionnaire 23 Sept main Street & South Statistic photo Programs & Bodor 24 Month Questionnaire 25 Sept main Street & South Statistic photo Programs & Bodor 26 Sept main Street & Bodor 27 Sept main Street & Bodor 28 Sept main Street & Bodor 29 Dyou have any concerns about your child behavior If yes, explain: 29 Does stryining about your child sortly you? If yes, explain: 29 Does stryining about your child sortly you? If yes, explain: 29 Does stryining about your child sortly you? If yes, explain: 29 Does stryining about your child sortly you? If yes, explain: 29 Does stryining about your child sortly you? If yes, explain: 29 Does stryining about your child sortly you? If yes, explain: 29 Does stryining about your child sortly you? If yes, explain: 29 Does stryining about your child sortly your Stryin, explain: 29 Does stryining about your child sortly your Stryin, explain: 29 Does stryining about your child sortly your Stryin, explain: 29 Does stryining about your child sortly your Stryin, explain: 29 Does stryining about your child sortly your Stryin, explain: 29 Does stryining about your child sortly your Stryin, explain: 29 Does stryining about your child sortly your Strying about your child sortly your		0	0	0	_	Without holding onto anything for support, does your child kick a ball by swinging his leg forward?	0	0	
Agen & Stogen Cuestionnainest. Third Edition (MSO.37% Squites & Bricker © 2007 Paul 18 Broaden Palationing Ca. All rights reserved. 24 Month Questionnaire 15 SOMETHIS 15 SOMETHIS 15 SOMETHIS 16 SOMETHIS 17 SOMETHIS 18	Age in 6 from Conditional Residence (Co. 27%, Soulman & Bender ### 2500 Pr. M. F. Brown Conditional Co. 27%, Soulman & Bender ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights reserved. ### 2500 Pr. M. F. Brown Enablating Co. All rights Research Enablating	to stand on to reach it (for example, to get a toy on a counter or to								
Ages & Sought Constituent Root (See 1997) Control of Brocker & Souther & & Sou	24 Month Questionnaire Park Sloper Construence Park Sloper (2017) Spains & Border of 2017 Facts became Address (2017) Spains & Border of 2017 Facts became Address (2017) Spains & Border of 2017 Facts became Address (2017) Spains & Border of 2017 Facts became Address (2017) Spains & Border of 2017 Facts became Address (2017) Spains & Border of 2017 Facts became Address (2017) Facts became Add	to stand on to reach it (for example, to get a toy on a counter or to					3			
DBLEM SOLVING Total Amonth Questionnalive proposed of the service	SOLITIMES NOLVING Streetweeth of the property of the streetweeth of th	to stand on to reach it (for example, to get a toy on a counter or to							"If Gross Motor hen	16 is a
This your child watches, line up four objects like locks or cars in a row. Does your child copy or a row frou his watches, line up four objects in a row? frou his was proofs of thread, small boxes, or a row frou his to use spools of thread, small boxes, or a row frou her toys.) PROBLEM SOLVING TOTAL YES SOMETIMES NOT YET OVERALL (continued) 8. Do you have any concerns about your child's behavior? If yes, explain: YES SOMETIMES NOT YET OVERALL (continued) 8. Do you have any concerns about your child's behavior? If yes, explain: YES SOMETIMES NOT YET OVERALL SOMETIMES NOT YET OVERALL SOMETIMES NOT YET OVERALL 8. Do you have any concerns about your child's behavior? If yes, explain: YES SOMETIMES NOT YET OVERALL SOMETIMES NOT YET SOMETIMES NOT YET OVERALL SOMETIMES NOT YET SOMETIMES NOT YET OVERALL SOMETIMES NOT YET OVERALL SOMETIMES NOT YET OVERALL SOMETIMES NOT YET SOMET	This your child watches, line up four objects the locks or car's in a row. Does your child copy or militer you and less up four objects in a row? (hou where to you, a your object on a row? (hou where to you, a your object on a row? (hou where to you, a your object on a row? (hou where to you, a your object on your objec	to stand on to reach it (for example, to get a toy on a counter or to ligh?" you in the kitchen)? Apar 6 Stoom Cuertionnies®, Third Edition #50.3**					E101240300 April & Stoger Complements Short Edition IASO.3**		"If Gross Motor her "yes" or "some Gross Motor i	ná is m
The special control of the special of the special spec	ARSONAL-SOCIAL Sees your child drink from a cup or glass, putting it down again with Sees your child drink from a cup or glass, putting it down again with Sees your child copy the activities you do, such as wipe up a spill, Sees your child copy the activities you do, such as wipe up a spill, Sees your child east with a fork? Once your child east with a fork? Once your child gust a little wagen, a traileg, or other bay, or one half? Once your child all herself "I" or "me" more often than her own and to rock it, feed it, change it a dispers, put it to bed, and so forth? Once your child call herself "I" or "me" more often than her own and to rock it, feed it, change it adopted, or other boys on wheels, steering it around objects and backing out of comen if he cannot turn? Does your child call herself "I" or "me" more often than her own aram? For example, "I do it," more often than he and than her own aram? For example, "I do it," more often than "Juenta do it." PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL Do you think your child hears well? If no, explain: On you think your child talks like other toddlers her age? If no, explain: On you think your child talks like other toddlers her age? If no, explain: On you think your child talks like other toddlers her age? If no, explain:	to stand on to reach it (for example, to get a toy on a counter or to ge' you in the kitchen)? Ages & Stoper Commissions, Third Edition (MSC) 379 62009 Paul H. Brooker Résidning Ca. All rights					E 101240300 Ages & Steger Constitutionaling R. Dest Edition JASO, Proc. St. Open Constitution of Constitution		"If Gross Motor her "yes" or "some Gross Motor i	
The playing with either a stuffed animal or a doil, does your child gree-hand to rock it, feed it, change its dispers, put it to bed, and so forth? Does your child puts a little wapon, stroller, or other toy on wheels. PROBLEM SOLVING TOTAL YES SOMETHMES NOT YET YES SOMETHMES NOT YET One your child drink from a cup or glass, putting it down again with O	The poly of the poly of the space of the read, small boxes, or some state of the space of the read, small boxes, or some state of the space of the s	to stand on to reach it (for example, to get a toy on a counter or to or you in the kinchen)? Ages & Songer Cuestomained: Third Edition (ASOL)** (CONTINUE IN Brooker Addrsing Co. All rights SQS) DBLEM SOLVING (Continued)	1. Squires & Bricke reserved.	24 Month Que		ongo 5 of 7	E101240300 Ages & Steger Constitutionaling B. Dest Edition JASO, Proc. St. Constitution of Con	i. Squines & Brick reserved.	"If Gross Motor her "yes" or "some Gross Motor i	n 6 is m dimes, " hem 2"
SONAL-SOCIAL YES SOMETIMES NOT VET Les your child drink from a cup or glass, putting it down again with YES SOMETIMES NOT VET Les your child drink from a cup or glass, putting it down again with YES SOMETIMES NOT VET YES SOMETIMES NOT VET Les your child drink from a cup or glass, putting it down again with YES SOMETIMES NOT VET Les your child drink from a cup or glass, putting it down again with YES SOMETIMES NOT VET YES SOMETIMES NOT VET Les your child deal with a fork? YES SOMETIMES NOT VET YES SOMETIMES NO	SONAL-SOCIAL YES SOMETIMES NOT VET Le spelling? YES SOMETIMES NOT VET Le spelling to some a cup or glass, putting it down again with YES SOMETIMES NOT VET Le spelling? YES SOMETIMES NOT VET Le spelling to some a cup or glass, putting it down again with YES SOMETIMES NOT VET Le spelling? YES SOMETIMES NOT VET Le spelling to some a cup or glass, putting it down again with YES SOMETIMES NOT VET Le spelling to some a cup or glass, putting it down again with YES SOMETIMES NOT VET Le spelling to some a cup or glass, putting it down again with YES SOMETIMES NOT VET Le spelling to some a cup or glass, putting it down again with YES SOMETIMES NOT VET Le spelling to some a cup or glass, putting it down again with YES SOMETIMES NOT VET PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL Delayed quowth than children of Same aga PERSONAL-SOCIAL TOTAL Delayed quowth than children of Same aga De	o stand on to reach it flor example, to get a toy on a counter or to "you in the kitchen?" Ages & Stopps Cuestionnelself. Third Edition (ASO-3" Ages & Stopps Cuestionnelself. Third Edition (ASO-3" Ages & Stopps Cuestionnelself. Third Edition (ASO-3" Ages & Stopps Cuestionnelself. Third Edition (ASO-3") Ages & Stopps Cuestionnelself. T	1. Squires & Bricke reserved. YES	24 Month Ques	NOT YET	ologe 5 of 7	6503	i. Squines & Brick reserved.	"If Gross Motor her "yes" or "some Gross Motor i	n á is m times, tem 2
Soes your child drink from a cup or glass, putting it down again with One your child copy the activities you do, such as wipe up a spill, Ones your child copy the activities you do, such as wipe up a spill, Ones your child east with a fork? Ones your child east it is warpen, stroller, or other toy on wheels, tetering it around objects and backing out of comers if he cannot turn? Ones your child east herself "I" or "me" more often than her own The example, "I do it," more often than "Juenita do it." PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL Delayed quowth than children of same age VERALL Its and providers may use the space below for additional comments.	Soes your child drink from a cup or glass, putting it down again with Oes your child copy the activities you do, such as wipe up a spill, Oes your child copy the activities you do, such as wipe up a spill, Oes your child east with a fork? Ohe your child push a little vagon, stroller, or other toy on wheels, Iterating it around objects and backing out of comes if he cannot turn? Ohes your child east herself "I" or "me" more often than her own Ones your child east herself "I" or "me" more often than her own Ones your child east herself "I" or "me" more often than "Juenius do it." PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL De you think your child hears well? If no, explain: One you think your child talks like other toddlers her age? If no, explain: One you think your child talks like other toddlers her age? If no, explain: One you think your child talks like other toddlers her age? If no, explain: One you think your child talks like other toddlers her age? If no, explain: One you think your child talks like other toddlers her age? If no, explain: One you think your child talks like other toddlers her age? If no, explain: One you think your child talks like other toddlers her age? If no, explain:	to stand on to reach it for example, to get a toy on a counter or to provide the kinchen? Ages & Stopes Cuestionseledt, Third Edition (MSO.3** Ages & Stop	1. Squirez & Bricke reserved. YES	24 Month Quers	NOT YET	Supple S of 7	6503	i. Squines & Brick reserved.	"If Gross Motor her "yes" or "some Gross Motor i	n á is m times, tem 2
res your child cate with a fork? Nes your child eat with a fork? PERSONAL SOCIAL TOTAL Delayed growth than children of Same aga Personal social to the space below for additional comments.	es your child eat with a fork? Per your child worry you? If yes, explain: Per your child eat with a fork? Per your child worry you? If yes, explain: Per your child eat with a fork? Per your chi	ostand on to reach it flor example, to get a toy on a counter or to "you in the kitchen)? Ages & Sopor Cuestionnairest. Third Edition (MSO 3" © 2009 Paul H. Brooken Addition (MSO 3" © 2009 Paul H. Brooken	1. Squirez & Bricke reserved. YES	24 Month Quers	NOT YET	Supp 5 of 7	OVERALL (continued)	i. Squines & Brick reserved.	"If Gross Motor her "yes" or "some Gross Motor i	n 6 is m times, 2
Then playing with either a stuffed animal or a doil, does your child pre- mod to rock in, feed it, change its dispers, put it to bed, and so forth? Ones your child push a little wagon, stroller, or other toy on wheels, terring it is round objects and booking out of corners if he cannot turn? Ones your child call herself "I" or "me" more often than her own The personal-social total PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL Delayed growth than children of Same aga VERALL To and providers may use the space below for additional comments.	Then playing with either a stuffed animal or a doil, does your child pre- med to rock it, feed it, change its dispers, put it to bed, and so forth? Ones your child push a little wagen, stroller, or other toy on wheels. Ones your child call herself "I" or "me" more often than her own The personal-Social Total PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL Delayed growth than children of Same age? Fino, explain: O you think your child hears well? If no, explain: O you think your child talks like other toddlers her age? If no, explain: O you think your child talks like other toddlers her age? If no, explain: O you think your child talks like other toddlers her age? If no, explain: O you think your child talks like other toddlers her age? If no, explain: O you think your child talks like other toddlers her age? If no, explain:	to stand on to reach it (for example, to get a toy on a counter or to or you in the kitchen)? Ages & Stopps Cuestionneised: Third Edition (ASO.)** ### OPP First it Brooke Publishing Co. All agine #### OPP First it Brooke Publishing Co. All agine ###################################	1. Squires & Bricke reserved. YES YES	24 Month Quer SOMETIMES PROBLEM SOLVIII SOMETIMES	NOT YET S NG TOTAL	ongo S of 7	OVERALL (continued)	i. Squines & Brick reserved.	"If Gross Motor her "yes" or "some Gross Motor i	n 6 is n times,
hen playing with either a stuffed animal or a doil, does your child pre- not to rock it, feed it, change its dispers, but it to bed, and so forth? Ones your child push a fittle wagen, ratiolle, or other toy on wheels, teering it around objects and backing out of comen if he cannot turn? Ones your child call herself "I" or "me" more often than her own ame? For example, "I do it," more often than "Juenta do it." PERSONAL-SOCIAL TOTAL Delayed growth than children of Same aga Delayed growth than children of Same aga TERALL Total providers may use the space below for additional comments.	hen playing with either a stuffed animal or a doil, does your child pre- not to rock it, feed it, change its dispers, but it to bed, and so forth? Ones your child push a little wagen, ratiole, or other toy on wheels, teering it around objects and backing out of corner if he cannot turn? Ones your child call herself "I" or "me" more often than her own ame? For example, "I do it," more often than "Juenta do it." PERSONAL-SOCIAL TOTAL Delayed quowith than children of same age? For example, "I do it," more often than "Juenta do it." Ones your child hears well? If no, explain: O you think your child hears well? If no, explain: O you think your child hears well? If no, explain: O you think your child talks like other toddlers her age? If no, explain: O you think your child talks like other toddlers her age? If no, explain: O you think your child talks like other toddlers her age? If no, explain:	os stand on to reach it (for example, to get a toy on a counter or to "you in the kitchen)? Ages & Sogns Cuestionneiredt. Third Edition (MSO.3" Ages & Sogns Cuestionneiredt. Third Edition (MSO.3" Ages & Sogns Cuestionneiredt. Third Edition (MSO.3" BELEM SOLVING (rossinued) Inlie your child vestches, line up four objects like colors or cars in a row. Does your child copy or all take you and line up four objects the new? You have your child copy or all take you and line up four objects as new? You have you child boxes, or "SONAL-SOCIAL" SONAL-SOCIAL Des your child drink from a cup or glass, putting it down again with to spilling?	1. Squires & Bricke reserved. YES YES	24 Month Quer SOMETIMES PROBLEM SOLVIII SOMETIMES	NOT YET S NG TOTAL NOT YET	Supp 5 of 7	OVERALL (continued)	i. Squines & Brick reserved.	"If Gross Motor her "yes" or "some Gross Motor i	n 6 is n times,
no to fook, it led it, Change its dispers, but it to bed, and so forth? Ose syour child push a little wagen, steller, or other toy on wheels, Design of the cannot turn? OS PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL Social providers may use the space below for additional comments.	no to food, it led it, change its dispers, but it to bed, and so forth? Ose syour child push a little wagon, stroller, or other toy on wheels, Deering it around objects and backing out of corners if he cannot turn? PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL Delayed quowith than children of same age Personal social total Delayed provide than children of same age Delayed social total Delayed social than children of same age Delayed social total Delayed social than children of same age Delayed social total Delayed social total Delayed social than children of same age Delayed social than children of same age Delayed social than children of same age Delayed social total Delayed social total Delayed social total Delayed social than children of same age Delayed social than children of same age Delayed social than children of same age Delayed social total Delayed social than children of same age Delayed social total Delayed social than children of same age Delayed social total Delayed social than children of same age Delayed social total Delayed social than children of same age Delayed social total Dela	o stand on to reach it flor example, to get a toy on a counter or to "you in the kitchen?" Ages & Stopes Cuestionnaired; Third Edition (MSO.3" BLEM SOLVING (continued) Inlie your child copy or shot copy or shot copy or state you and sho use spools of thread, small boxes, or a now? Thou has been spools of thread, small boxes, or should drink from a cup or glass, putting it down again with the spilling? SONAL-SOCIAL ses your child copy the activities you do, such as wice un a roll!	2. Squires & Bricke reserved. VES.	24 Month Quest SOMETIMES O PROBLEM SOLVIII SOMETIMES	NOT YET O NG TOTAL NOT YET	inage 5 of 7	OVERALL (continued)	i. Squines & Brick reserved.	"If Gross Motor her "yes" or "some Gross Motor i	n 6 is m times, 2
ses your child push a little wagon, stroller, or other toy on wheels, earling it around objects and backing out of comers if he cannot turn? O O O PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL Delayed growth than children of square age Personal-social total	set your child push a little wagon, stroller, or other toy on wheels, one your child push a little wagon, stroller, or other toy on wheels, ones your child push a little wagon, stroller, or other toy on wheels, ones your child push a little wagon, stroller, or other toy on wheels, ones your child push a little wagon, stroller, or other toy on wheels, ones your child call herself "I or "me" more often than her own PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL So you think your child hears well? If no, explain: O yes you think your child talks like other toddlers her age? If no, explain: O yes Yes O no	Ages & Singes Cuestionnaired. Third Edition (MSC) 79 ou in the kitchen)? Ages & Singes Cuestionnaired. Third Edition (MSC) 79 ou in the kitchen)? Ages & Singes Cuestionnaired. Third Edition (MSC) 79 ou in the kitchen)? BLEM SOLVING (rostinund) ille your child watches, line up four objects like class or cars in a row. Does your child copy or the roy out on fine up four objects are row? (Four special or arow? (Four child drink from a cup or glass, putting it down again with spelling? SONAL-SOCIAL se your child copy the activities you do, such as wipe up a spill, up., shave, or comb ball?	1. Squires & Bricks reserved.	24 Month Quer SOMETIMES PROBLEM SOLVIII SOMETIMES O	NOT YET S NG TOTAL NOT YET S	Page S of 7	OVERALL (continued)	i. Squines & Brick reserved.	"If Gross Motor her "yes" or "some Gross Motor i	n 6 is n times,
Dees your child call herself "I" or "me" more often than her own ame? For example, "I do it," more often than "Juenta do it." PERSONAL-SOCIAL TOTAL Delayed growth than children of same age TERALL That and providers may use the space below for additional comments.	Does your child call herself "I" or "me" more often than her own ame? For example, "I do it," more often than "Juenta do it." PERSONAL-SOCIAL TOTAL PERSONAL-SOCIAL TOTAL Delayed growth than children of same age? If no, explain: O you think your child hears well? If no, explain: O you think your child talks like other toddlers her age? If no, explain: O you think your child talks like other toddlers her age? If no, explain:	os stand on to reach it flor example, to get a toy on a counter or to or you in the kitchen!? Ages & Stages Caustionnairedt. Third Eddon MOD.1** #2009 Paul it Brown Publishing Co. All rights #2009 Paul it Brown	S. Squires & Bricks reserved.	24 Month Quer SOMETIMES O PROBLEM SOLVII SOMETIMES O O	NOT VET O NG TOTAL NOT VET O O	Page 5 of 7	OVERALL (continued)	i. Squines & Brick reserved.	"If Gross Motor her "yes" or "some Gross Motor i	n 6 is m times, 2
PERSONAL-SOCIAL TOTAL Delayed grounds than children of same aga ERALL Is and providers may use the space below for additional comments.	PERSONAL SOCIAL TOTAL Delayed growth than children of same aga The sam	ostand on to reach it flor example, to get a toy on a counter or to "you in the kitchen?" Ages & Stoger Cuestionnairedt: Rind Edition (RSC) 3" Ages & Stoger Cuestionnairedt: Rind Edition (RSC) 3" BELEM SOLVING (rostinued) file your child watches, line up four objects like cocks or cars in a row. Does your child copy or that you and line up four objects are nove? You have you and set your object or nove? You have you and you four objects are nove? You have you and you four objects are nove? You have you and you for the your child drink from a cup or glass, putting it down again with respirally come your child drink from a cup or glass, putting it down again with respirally come your child copy the activities you do, such as wipe up a spill, easy, share, or comb hair? SONAL-SOCIAL respour child eat with a fork? here playing with either a stiffed animal or a doil, does your child pre-nd to rock it, feed it, change its dispers, put it to bed, and so forth?	S. Squires & Bricks reserved.	24 Month Quer SOMETIMES O PROBLEM SOLVII SOMETIMES O O	NOT VET O NG TOTAL NOT VET O O	Mage S of 7	OVERALL (continued) 8. Do you have any concerns about your child's behavior? If yes, explain:	i. Squines & Brick reserved.	"If Grane Metter has a "If Grane Meter has a "If Grane has a	n 6 is m dimes.
/ERALL nts and providers may use the space below for additional comments.	/ERALL nts and providers may use the space below for additional comments. Do you think your child hears well? If no, explain: O you think your child talks like other toddlers her age? If no, explain: O you think your child talks like other toddlers her age? If no, explain: O yes: One	to stand on to reach it for example, to get a toy on a counter or to or you in the kinchen? Ages & Stoges Cuestionseised: Third Edition (ASO.3** DBLEM SOLVING Frontinued Thile your child case has been been a row of the conditions of the condi	1. Squires & Bricke reserved. YES YES O	24 Month Quer SOMETIMES O PROBLEM SOLVII SOMETIMES O O	NOT VET O NG TOTAL NOT VET O O	Mager S of 7	OVERALL (continued) 8. Do you have any concerns about your child's behavior? If yes, explain:	i. Squines & Brick reserved.	"If Grane Metter has a "If Grane Meter has a "If Grane has a	n 6 is m dimes. 1
nts and providers may use the space below for additional comments.	nots and providers may use the space below for additional comments. Do you think your child hears well? If no, explain: Or you think your child talks like other toddlers her age? If no, explain: Or you think your child talks like other toddlers her age? If no, explain:	to stand on to reach it for example, to get a toy on a counter or to provide the provided of the provided and the provided an	1. Squires & Bricke reserved. YES YES O	24 Month Quere SOMETIMES PROBLEM SOLVIII SOMETIMES O O O O	NOT VET S NG TOTAL NOT VET S S S S S S S S S S S S S	maps 5 of 7	OVERALL (continued) 8. Do you have any concerns about your child's behavior? If yes, explain: 9. Does anything about your child worry you? If yes, explain:	Squire & Bright Bridge	"If Grane Metter has a "If Grane Meter has a "If Grane has a	n 6 is m dimes. 1
Do you think your child hears well? If no, explain:	Do you think your child talks like other toddlers her age? If no, explain:	to stand on to reach it for example, to get a toy on a counter or to provide the counter of the provided standard of the counter of the provided standard of the counter of	1. Squires & Bricke reserved. YES YES O	24 Month Quere SOMETIMES PROBLEM SOLVIII SOMETIMES O O O O	NOT VET S NG TOTAL NOT VET S S S S S S S S S S S S S	maps Bod 7	OVERALL (continued) 8. Do you have any concerns about your child's behavior? If yes, explain: 9. Does anything about your child worry you? If yes, explain:	Squire & Bright Bridge	"If Grane Metter has a "If Grane Meter has a "If Grane h	n 6 is m dimes, " hem 2"
	to you time you time and the time and the time and time a	to stand on to reach it for example, to get a toy on a counter or to provide the counter of the provided standard of the counter of the count	1. Squires & Bricke reserved. YES YES O	24 Month Quere SOMETIMES PROBLEM SOLVIII SOMETIMES O O O O	NOT VET S NG TOTAL NOT VET S S S S S S S S S S S S S	Mgm Sof 7	OVERALL (continued) 8. Do you have any concerns about your child's behavior? If yes, explain: 9. Does anything about your child worry you? If yes, explain:	Squire & Bright Bridge	"If Grane Metter has a "If Grane Meter has a "If Grane h	n 6 is m dimes. 1
	Does not say more than one syllable	to stand on to reach it (for example, to get a toy on a counter or to by you in the kitchen)? Ages & Stoper Countownsievell, Third Edition (ACO)** @ 2009 Paul H. Brooten Publishing Ca. All Ages and the second Pu	1. Squires & Bricke reserved. YES YES O	24 Month Quere SOMETIMES PROBLEM SOLIVII SOMETIMES O O O PERSONAL-SOCI	NOT YET S NG TOTAL NOT YET S S S A A A A A A A A A A		OVERALL (continued) 8. Do you have any concerns about your child's behavior? If yes, explain: 9. Does anything about your child worry you? If yes, explain:	Squire & Bright Bridge	"If Grane Metter has a "If Grane Meter has a "If Grane h	n 6 is motiones, " times, " times, " times, 2 ?
Do you think your child talks like other toddlers her age? If no, explain:		k to stand on to reach it for example, to get a toy on a counter or to elep" you in the kitchen)? Ages & Stoyer Clustionshirst, Third Editor (MSO 3** 6 2009 Paul H. Brooker Rubbing Co. All rights	1. Squires & Bricke reserved. YES YES O	50METMUS PROBLEM SOLVIT SOMETMUS SOMETMUS O O O FERSONAL-SOCI	NOT YET NOT YET NOT YET O' O' O' O' O' O' O' O' O' O		OVERALL (continued) 8. Do you have any concerns about your child's behavior? If yes, explain: 9. Does anything about your child worry you? If yes, explain:	Squire & Bright Bridge	"If Grane Metter has a "If Grane Meter has a "If Grane h	n 6 is motiones, " times, " times, " times, 2 ?

Management:

During the first visit at hospital on 19/07/2024, Patient was prescribed with the following medication for 15 days.

1. Saraswata arishtam (200ml)+ bala arishtam (50ml)+ dashamoola arishtam (50ml)+ jeeraka arishtam (50ml)+ Ashwa Gandha arishtam

ISSN - 2347-7075

(100ml)+ Yogendra ras (8)+ brihat vata Chintamani ras (8)+ Smriti sagara

5ml-5ml-5ml [After Food]

ras (8)+ kumara kalyanaka ras (8):

2. Saraswata ghritam (50ml)+ brahmi ghritam (50ml)+ maha kalyanaka ghritam (50ml): 5ml-0-5ml [on empty stomach]

During the second sitting on 28/08/2024, Patient was prescribed with the following medicines for 30 days. Patient was Advised for IP admission on 28/09/25

- 1. Saraswata arishtam (200ml)+mustarishtam (50ml) + Chandana asavam (50ml)+ saribadya asavam (50ml)+Ashwa gandharishtam (100ml)+ Yogendra ras (8)+ kumara kalyana ras (8)+brihat vata Chintamani ras (8): 5ml-5ml-5ml-5ml [After Food]
- 2. Saraswata ghritam + brahmi ghritam + maha kalyanaka ghritam: 5ml-0-5ml [on empty stomach]
- 3. Bala Ashwagandhadi kuzhambu + dhanwantara kuzhambu + maha masha tailam for external application

TREATMENT GIVEN – 1st Sitting DOA- 28/9/24, DOD- 16/10/24

EXTERNAL THERAPIES-

- Abhyangam with bala ashwagandhadi tailam
 + mahamasha tailam× 8 days
 (Due to development of itching all over the body, nalpamradi tailam was added for abhyangam from 6th day)
- 2. Matra vasti with mahanarayana tailam +bala ashwagandhadi tailam× 19 days
- 3. Talam with amalaka + yashti madhu + musta + white butter $\times 17$ days
- 1. Bamboo stick bandhanam with mahanarayana tailam× 17 days
- 2. Kovidara swarasa administered with honey \times 17 days
- 3. Pichu whole spine with maha masha and bala ashwagandhadi tailam \times 6 days

INTERNAL MEDICATIONS-

Saraswata arishtam + mustarishtam +
 Chandana asavam + saribadya asavam +
 Ashwagandharishtam + Yogendra ras +
 kumara kalyana ras + brihat vata Chintamani
 ras

TREATMENT GIVEN -2^{nd} Sitting DOA- 20/05/25, DOD- 30/5/25

EXTERNAL THERAPIES-

- Abhyangam with bala ashwagandhadi kuzhambu + mahamasha tailam + kayathirumeni tailam + dhanwantara kuzhambu× 11 days
- 2. Matra vasti with narayana tailam +bala ashwagandhadi tailam ×11 days
- 3. Talam with amalaka + yashti madhu + musta + white butter× 11 days
- Shiro abhyangam with bala ashwagandhadi kuzhambu + mahamasha tailam + kayathirumeni tailam + dhanwantara kuzhambu× 9 days
- 5. Pratisaranam ×9 days
- 6. Navarathepu with dasamoola kashayam, bala kashayam, ashwagangha and masha kashayam ×7 days

INTERNAL MEDICATIONS-

- Saraswata arishtam + Abhaya arishtam + ashwagandha arishtam + brihatvata
 Chintamani ras + Yogendra ras
- 2. Saraswata ghritam + mahakalyanaka ghritam

- 2. Saraswata ghritam + brahmi ghritam + maha kalyanaka ghritam
- 3. Bala Ashwagandhadi kuzhambu + dhanwantara kuzhambu + maha masha tailam for external application

DISCHARGE MEDICINES-

- Saraswata arishtam + mustarishtam +
 Chandana asavam + saribadya asavam +
 Ashwa gandharishtam + Yogendra ras +
 kumara kalyana ras + brihat vata Chintamani
 ras ×30 days
- 2. Bamboo stick bandhanam with mahanarayana tailam ×30 days
- 3. Bala Ashwagandhadi kuzhambu + dhanwantara kuzhambu + maha masha tailam for external application× 30 days
- 4. Amalaka + musta + yashti madhu + butter for talam× 30 days

- + dadimadi ghritam + brahmi ghritam
- 3. Tab. Smriti sagara ras
- 4. Bala ashwagandhadi kuzhambu + maha masha tailam + kayathirumeni tailam + dhanwanthara kuzhambu for external application.

DISCHARGE MEDICINES-

- Rasa sindooram + tamra bhasmam + abhraka bhasmam + siddha makradhwaj ras(10): 1 pinch After Food BD ×20 days
- 2. Saraswata ghritam (50ml)+ mahakalyanaka ghritam (50ml)+ dadimadi ghritam (50ml)+ brahmi ghritam (50ml): 1 tsp-0-1tsp [Before Food]×20 days

Along with ayurvedic treatments following interventions were made like Paper blowing exercise, sucking through straw, chewing edible sticks, tongue exercises, attention improving activities were given, parent counselling also was done.

Assessment after the Treatment:

At the end of first IPD admission on 16/10/24- Patient was able to stand without support, wave bye-bye, walk 2-3 steps without support and was able to walk fast with support, drooling of saliva had reduced, recognition of care takers had improved, grip strength had improved.

At the time of second IPD admission on 30/05/25 – Patient eye contact – improved, response on name call – improved, walks

without support, climbs steps without support, tongue movement – forward protrusion improved, initiates speech when needs attention, blowing and sucking skills improved, shows initiative to play with toys, listens to rhymes and story books.

Discussion and Result:

The current study shows the effect of Ayurvedic treatment along with multidisciplinary intervention the management of developmental delay. The delayed presenting with patient developmental milestones was prescribed with some ayurvedic treatment plans like Abhyangam, Matra Vasti, Talam, intake of pichu, swarasa, bandhanam, Shiroabhyangam, Navara thepu & Asya Pratisarana. After the first course of treatment patient was able to stand without support with reduced drooling of saliva, wave a bye-bye, walk for 2-3 steps without support and was able to walk slightly faster with support, there was an improvement in the recognition of care takers, with improved Grip strength. The study shows a significant result in overall development of the child by the completion of second course of treatment with improved eye contact, walking without support, climbing steps, with better blowing & sucking skills etc, which included Ayurvedic treatments along intervention of some exercises for improving the strength of facial muscles and tongue, attention improving activities & Parent counselling. Abhyangam shows effect in the improvement of muscle bulk & power, Talam with amalaka, yashti madhu, musta & navaneetam proves its effect on development of higher mental functions including recognition of parents & waving a bye. Bandhanam adds its value by correcting the leg posture viz Genu varus. Pichu given with mahamasha tailam balashwagandhadi tailam proves to effective in providing strength to the lower limbs, Mukha & Shiroabyanagam helped in stimulating the blood supply & nervous activity hence improving the speech, sucking blowing & attention. Kovidara (Coccinia grandis) swarasa (having antioxidants like flavanoids, saponins, cardenolides shows effects on reduction in acetylcholine esterase activity, reduction in Lipid peroxidation level and increase in superoxide dismutase, glutathione and catalase in brain enhancing, learning and memory) ⁵ when administered along with honey helped reducing the drooling of saliva. Navara thepu being a nourishing therapy helped in improving the motor activities of the child. Along with the external therapies, the internal medications including arishtam, ghritam & some rasa preparation proves to be effective in the development of milestones.

Saraswatharishtam contains Brahmi, shatavari, Swarna etc helped in cognitive functions, memory & speech improvement and active ingredients like eugenol, serine shows neuroprotective & neuroplastic activity.^{6,7}

Mustarishtam having Musta, Yavani, Ardraka and Chandanasava, Saribadyasava having Chandana, Musta, Pippali etc & Abhayarishtam containing Haritaki, Shunti, Dhanyaka etc, helped to tackle Agnimandya which is the main cause for every disease. As well as improved the strenghth & nourishment.

Aswagandharishtam acts as neuroprotective, enhances congniton & memory and reduces stress.8

Yogendra rasa acts as a Yogavahi (catalyst) when administered along with other drugs, Yogendra rasa, Kumar Kalyana rasa, Brihatvata Chintamani rasa containing Swarna Bhasma & Makshika Bhasma etc has neuroprotective & antioxidative properties, mitigates cell damage & has ability to cross BBB.

Smritisagara ras containing Shuddha Parada, Gandhaka & Haratala (Yogaratnakara Apasmara Chikitsa) helps in improving memory and acts against neuropathy.

Saraswatha ghritam, Mahakalyanaka ghritam, Brahmi ghritam & Dadimadi ghritam helps in speech development, enhances memory, strength, neuroprotective,

cures emaciation, improves digestion and being in ghritam form can cross BBB.

Bala Ashwagandhadi kuzhambu, Dhanwantara kuzhambu, Maha masha tailam having Bala, Ashwgandha, Dasamoola proves effective in providing bone & muscle strength and hence helps in locomotion.

Siddhamakaradhwaj ras contains Swarna Bhasma which helps in enhancing child's immunity, physical strength, metabolism, and intellect.

Tamra Bhasma has copper as its main ingredient which helps in brain development tand gives effective anti-oxidative defence.

Abhraka Bhasma having mica, helps to treat brain and neuro-psychiatric disorders, neuralgia and ataxia conditions.

Rasa sindoora containing nyagrodha, gandhaka and abhraka helps to boost immunity and strength.

Conclusion:

An effective management of global developmental delay can be achieved using ayurvedic panchakarma therapy combination with physical therapy and speech therapy. After the course of treatment, the patient's higher mental functions and motor activities have started Walking without developing. climbing stairs, sucking, blowing, initiating play, attention span and concentration, response to command have improved drastically. Hence, the appropriate internal medications, and therapies like basti, abhyangam, pichu, talam and bandhanam, can be utilized for proper management of

developmental delay with great results and no side effects.

References:

- 1. Caring for children with Developmental delay Reaching the vulnerable [Internet]. www.who.int.

 Available from:

 https://www.who.int/srilanka/news/detail/01-10-2023-caring-for-children-with-developmental-delay-reaching-the-vulnerable
- 2. Choo YY, Agarwal P, How CH, Yeleswarapu SP. Developmental delay: identification and management at primary care level. Singapore Med J. 2019 Mar;60(3):119-123.
- Kaśyapa (Maharṣi Mārīca, Vatsya, Tewari PV, Vrddhajivaka (Acarya. Kasyapa-samhita. 1996.
- Ghai OP. Essential pediatrics. New Delhi: Cbs Publishers And Distributors Pvt. Ltd; 2010.
- 5. Yashashwini Y. EVALUATION OF LEARNING AND MEMORY ENHANCING ACTIVITY OF COCCINIA GRANDIS FRUITS IN RATS. Journal of Drug Delivery and Therapeutics. 2018 Sep 12;8(5):430–6
- Atha Vajikaranaprakaranam.
 Bhaisajyaratnavali, Vidyotini –
 Hindivyakhya Vimarsh Parishishtasahita. In: Shastri RV,
 editor. Varanasi: Chaukhamba
 Sanskrit Bhavan; 2002. pp. 796–7.
- Rao K, Ravi A, Jai Prabhu S, Prabhu K, Saranya Y. Identification of Active Biomolecules in Saraswatarishtam (An Ayurvedic Preparation) by GC-MS Analysis. International Journal of

Pharmaceutical Sciences Review and Research [Internet]. 2015 Aug 31;33(2):58–62. Available from: https://www.researchgate.net/publication/281372140 Identification of Active Biomolecules in Saraswatarishta m An Ayurvedic Preparation by G C-MS_Analysis

8. Singh N, Bhalla M, De Jager P, Gilca M. An Overview on Ashwagandha: A

Rasayana (Rejuvenator) of Ayurveda. African Journal of Traditional, Complementary and Alternative Medicines [Internet]. 2011 Jul 15 [cited 2019 Nov 18];8(5S). Available from:

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3252722/