

**ELECTRONIC GUIDE TO THESES APPROVED BY  
PHYSICAL THERAPY DEPARTMENT FOR GROWTH AND  
DEVELOPMENT DISORDER IN CHILDREN AND ITS SURGERY  
PREPARED BY NERVEEN ABD EL SALAM ABD EL KADER AHMED**

**Physical Therapy Department for Growth and  
Development Disorder in children and Its Surgery**

**Master Degree  
1997**

<b>Author</b>	:	<b>Fatma Abdel-Fattah Hegazy.</b>
<b>Title</b>	:	<b>The role of lidocaine iontophoresis in inhibiting spasticity in cerebral palsied children.</b>
<b>Dept.</b>	:	<b>Physical Therapy Department for Growth and Developmental Disorder in Children and its Surgery.</b>
<b>Supervisors</b>		<b>1. Kamal El Sayed Mohamed Shoukry. 2. Amina Hendawy Salem. 3. Shadia Abd El Aziz Khalil</b>
<b>Degree</b>	:	<b>Master.</b>
<b>Year</b>	:	<b>1997.</b>
<b>Key words</b>		<b>1. lidocaine iontophoresis. 2. Inhibiting spasticity. 3. Cerebral palsied children. 4. Children. 5. Spasticity.</b>
<b>Arabic Title Page</b>	:	<b>دور عملية التاين بالليدوكايين فى تثبيط التشنج العضلى فى حالات الاطفال المصابين بالشلل المخى .</b>
<b>Library register number</b>	:	<b>610-611.</b>

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<b>Author</b>	:	Gehan Hassan El-Meniawy.
<b>Title</b>	:	The role of sustained muscle stretching on standing posture in hemiplegic children.
<b>Dept.</b>	:	Physical Therapy Department for Growth and Developmental Disorder in Children and its Surgery.
<b>Supervisors</b>	1.	Amira Mohamed El Tohamy.
	2.	Hekmat El-Sayed El-Ghadban.
	3.	Hala Ibrahim Ahmed Kassem.
<b>Degree</b>	:	Master.
<b>Year</b>	:	1997.
<b>Abstract</b>	:	
<p>The aim of this study was to investigate. The Effect of sustained muscle stretching of the shoulder girdle on Standing posture pattern in spastic hemiplegic cerebral palsied children. Thirty subjects ranging in age from 4 to 7 years represents the sample of this Study. They were divided into two equal groups (I and II). Group I received a specially designed exercise program , while group II received sustained stretching Via bandaging in addition to the designed program given for group 1 . Evaluation of standing posture pattern by using Symmetrigrاف chart was Conducted before and after 3 months of treatment . The results of this Study showed a significant improvement of standing posture pattern in The study group when compared to the results of the control.</p>		
<b>Key words</b>	1.	Sustained muscle stretching.
	2.	standing posture.
	3.	hemiplegic children.
	4.	stretching.
	5.	Children.
<b>Arabic Title Page</b>	:	دور الشد المستمر للعضلات على وضع الوقوف فى الاطفال المصابين بالشلل النصفى.
<b>Library register number</b>	:	630-631.

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Author	:	Hayam Mohamed Amin.
Title	:	Role of postural reaction facilitation techniques on walking pattern in down's syndrome children.
Dept.	:	Physical Therapy Department for Growth and Developmental Disorder in Children and its Surgery.
Supervisors	1.	Kamal El Sayed Mohamed Shoukry.
	2.	Amina Hendawy Salem.
	3.	Khaled Ahmed Mamdouh.
Degree	:	Master.
Year	:	1997.
Abstract	:	
<p>The aim of this work was to analyze and evaluate the deviation in gait parameters in Down's syndrome children as compared to those of normal children / In this study 20 patients were selected, 10 normal while 10 were suffering from Down's syndrome . A program for postural reaction facilitation was applied for 6 months, for Down's syndrome in order to improve their balance and approximate their gait near to the normal children. Results reveal that there is a significant improvement in the balance task and gait parameters of Down's syndrome children after application of the program.</p>		
Key words	1.	postural reaction facilitation techniques.
	2.	Walking.
	3.	down's syndrome children.
	4.	Children.
Arabic Title Page	:	دور تمارينات التحكم في رد فعل القوام على نموذج المشى عند الاطفال المنغوليين.
Library register number	:	618-619.

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<b>Author</b>	:	Manal Salaah El Dine Abd El-Wahab.
<b>Title</b>	:	Functional ambulatory changes following neurosurgery and physical therapy intervention in spastic cerebral palsied children.
<b>Dept.</b>	:	Physical Therapy Department for Growth and Developmental Disorder in Children and its Surgery.
<b>Supervisors</b>	1.	Kamal El Sayed Mohamed Shoukry.
	2.	Amr Mohamed Safwat.
	3.	Eman Ibrahim Elhadidy.
<b>Degree</b>	:	Master.
<b>Year</b>	:	1997.
<b>Abstract</b>	:	<p>The purpose of this study was to evaluate the functional changes and the degree of the improvement of the walking pattern of spastic diplegic cerebral palsied children . The study was conducted on 15 children (9 boys &amp; 6 girls) their ages ranged from 3.7 to 12 years. They were evaluated by the therapist before surgery and immediately after operation to determine: 1- The degree of spasticity . 2- Gait parameters including (step length, stride length, step width &amp; foot angle ) . Immediately after operation we started an extensive physical therapy treatment program including : - Application of a night splint to maintain both feet at 90°. - Stretching exercises for shorted muscles . - Strengthening exercises for both spastic &amp; antispastic muscles . Balance exercises. The treatment was applied for 3 successive months , 3 sessions per week and each session lasted for 3 hours . Reevaluation was performed after each month of the physical therapy intervention . From the study it was concluded to use both neurosurgery by peripheral neurectomy and physical therapy treatment program directed towards improving gait pattern and induce functional ambulatory changes in spastic diplegic cerebral palsied children.</p>
<b>Key words</b>	1.	Functional ambulatory.
	2.	Neurosurgery.
	3.	spastic cerebral palsied children.
	4.	cerebral palsied children.
	5.	Children.
<b>Arabic Title Page</b>	:	التغيرات الحركية الوظيفية عقب التدخل الجراحي و العلاج الطبيعي فى حالات الاطفال المصابين بالشلل المخى التقلصى .
<b>Library register number</b>	:	632-633.

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<b>Author</b>	:	<b>Yasser Tawfik Mohamed Salem.</b>
<b>Title</b>	:	<b>Effect of mechanical vestibular stimulation on head control in spastic cerebral palsied children.</b>
<b>Dept.</b>	:	<b>Physical Therapy Department for Growth and Developmental Disorder in Children and its Surgery.</b>
<b>Supervisors</b>	1.	<b>Hoda Abd El-Azim El-Talawy.</b>
	2.	<b>Mohamed Hassouna Aboul-Saud.</b>
	3.	<b>Elham El-Sayed Salem.</b>
<b>Degree</b>	:	<b>Master.</b>
<b>Year</b>	:	<b>1997.</b>
<b>Abstract</b>	:	
<p>The purpose of this study was to evaluate the head control changes in spastic quadriplegic cerebral palsied children following participation in a program of therapeutic vestibular stimulation . Twenty nine children , aged 14 months to 24 months participated in this study . The head control parameters were assessed before and after application of 12 weeks of vestibular stimulation using video tapes . A statistically significant improvement was measured after participation in therapeutic program of vestibular stimulation . From the obtained result in this study , it can be concluded that , vestibular stimulation is a beneficial therapeutic modality to improve head control in spastic quadriplegic cerebral palsied children.</p>		
<b>Key words</b>	1.	<b>mechanical vestibular stimulation.</b>
	2.	<b>head control.</b>
	3.	<b>spastic cerebral palsied children.</b>
	4.	<b>cerebral palsied children.</b>
	5.	<b>Children.</b>
	6.	<b>vestibular stimulation.</b>
<b>Arabic Title Page</b>	:	<b>تأثير التنبيه الحركي لمركز الاتزان على التحكم في ثبات الراس في الاطفال المصابين بالشلل المخي التقلصي.</b>
<b>Library register number</b>	:	<b>628-629.</b>