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

Doctoral Degree
2004

Author	**:**	**Ehab Kamal Abd El Moaty Zayed.**
Title	**:**	**Effect external high frequency oscillation on some cardiopulmonary parameters after major upper abdominal surgeries.**
Dept.	**:**	**Physical Therapy Department for Growth and Developmental Disorder in Children and its Surgery.**
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Degree	**:**	**Doctoral.**
Year	**:**	**2004.**
Abstract	**:**	

The purpose of this study was to evaluate the potential effect of external high frequency oscillation with negative baseline (EHFO-NB) on some cardiopulmonary parameters in oncological patients after major upper abdominal surgery . Forty male oncological patients following major upper abdominal surgery were randomly assigned equally in to control and study groups subjects. Both groups received conventional physical therapy treatment, but the study group received (EHFO-NB) in addition. Both groups were treated for two consequent days after zero days of operation and follow up daily up to one week. Cardiorespiratory parameters and blood gases were evaluated prior to, during, and one hour later of treatments application. Results showed that the cardiovascular and pulmonary complications were insignificant in both groups, with significant better oxygenation and carbon dioxide removal of study group than control group. It was concluded that EHFO-NB is beneficial physical therapy method in the early postoperative period after major upper abdominal surgery.

Key words	**1.**	**Hayek oscillator.**
	2.	**postoperative pulmonary complications.**
	3.	**cardiorespiratory parameters.**
	4.	**conventional physical therapy.**
	5.	**cardiopulmonary parameters.**
	6.	**upper abdominal surgeries.**
Arabic Title Page	**:**	**تأثير الذبذبات ذات التردد العالي الخارجي علي بعض المتغيرات الرئوية القلبية بعد جراحات البطن العلوية الكبري.**
Library register number	**:**	**1095-1096.**

Author	**:**	**Ehab Mohamed Abo El-Soad Abd El-Kafy.**
Title	**:**	**Proprioceptive training in the rehabilitation of cerebral palsied children.**
Dept.	**:**	**Physical Therapy Department for Growth and Developmental Disorder in Children and its Surgery.**
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Degree	**:**	**Doctoral.**
Year	**:**	**2004.**
Abstract	**:**	

The purpose of this study was to evaluate the effect of proprioceptive training in the form of joint compression in modulation of muscle tone and promotion of motor development in cerebral palsied children. Twenty children of spastic type aged from 1 to 4 years participated in this study . They were divided randomly into four groups of equal numbers (three study one control groups). in addition to ten cerebral palsied children of hypotonic type of the same age range also participated . They were divided into two groups , ten cases each (one study group another control group). All participated groups received a traditional physical therapy program. Various joint approximation training was also added to the study groups program. the H/M ratios and motor development levels were recorded before and after the suggested treatment, using computerized EMG apparatus Denver developmental screening test respectively . Treatment was conducted for 3 months at 3-times/ week basis. The results of this study revealed a significant H/M ratios reduction in the study spastic groups and a significant H/M ratio increase in the two hypotonic groups. The results also showed a significant motor development improvement in all participated groups from the obtained results it can be concluded that joint approximation may be considerer an important treatment modality that can modulate muscle tone and enhance motor development.

Key words	**1.**	**cerebral palsy.**
	2.	**proprioceptive training.**
	3.	**joint approximation.**
	4.	**H/M ratio.**
	5.	**children.**
Arabic Title Page	**:**	**تدريب التفبل الذاتى فى ممارسة اعادة تاهيل الاطفال المصابين بالشلل المخى.**
Library register number	**:**	**1022-1023.**

Author	**:**	**Heba Mohamed Youssr Mohamed El Basatiny.**
Title	**:**	**Postural control training: effect on balance and locomotion in hemiparetic children.**
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Supervisors	**1.**	**Amira Mohamed EI-Tohamy.**
	2.	**Elham EL-Sayed Salem.**
Degree	**:**	**Doctoral.**
Year	**:**	**2004.**
Abstract	**:**	

The purpose of this work was to study the effect of postural control training on balance Locomotion in spastic hemiparetic children. The study was conducted on forty-two children, ranging in age from 7 to 12 years from both sexes , they include: fifteen normal children served as control group (A) twenty-seven ambulant spastic hemiparetic children as study group (B) . They received a balance training program on Biodex system in addition to a physical therapy program 3 times/week for 3 months. The post treatment stability indices gait parameters results showed significant improvement in balance Locomotion of study group (B) after treatment which confirm the importance of postural control training (by using Biodex system) in the rehabilitation program of spastic hem-iparetic children .

Key words	**1.**	**Postural.**
	2.	**Control.**
	3.	**Balance.**
	4.	**Locomotion,.**
	5.	**Hemiplegic.**
	6.	**children.**
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Library register number	**:**	**1101-1102.**