

**ELECTRONIC GUIDE TO THESES APPROVED BY
PHYSICAL THERAPY DEPARTMENT FOR NEUROMUSCULAR
AND NEUROSURGICAL DISORDER AND ITS SURGERY
PREPARED BY NERVEEN ABD EL SALAM ABD EL KADER AHMED**

Physical Therapy Department for Neuromuscular and Neurosurgical Disorder and Its Surgery

**Doctoral Degree
2001**

Author	:	Abeer Abo Bakr El-Wishy.
Title	:	Tens versus air splint pressure in cerebral and spinal spasticity.
Dept.	:	Physical Therapy Department for Neuromuscular and Neurosurgical Disorder and its Surgery.
Supervisors	1.	Mohamed Sadek Badawy.
	2.	Azza Abaas Helmy.
	3.	Mohamed El-said Saleh.
Degree	:	Doctoral.
Year	:	2001.
Abstract	:	
<p>The aim of this work was to compare the effect of two physiotherapy modalities i.e. air splint pressure and TENS in controlling spastic hypertonia in CVA and focal spinal lesions. In this study, the H / M ratio was measured before treatment, after the first session and after four weeks of treatment . The results showed significant decrease of H / M after the first session as well as at the end of the treatment program. This work recommended that both air splint pressure and TENS are effective physiotherapy modalities in controlling spastic hypertonio, improving lower limb motor strength and standing balance. Moreover, TENS improved the ambulation pattern in CVA and paraparetic patients.</p> <p>Key Words :</p>		
Key words	1.	air splint pressure.
	2.	Spasticity.
	3.	H/M ratio.
	4.	TENS.
	5.	Motoneneuron excitability.
Arabic Title Page	:	التنبيه الكهربائي للعصب عبر الجلد مقابل الجبيرة الهوائية الضاغطة في الشلل التقلصي المخي والفقرى.
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Author	:	Eman Samir Mohamed Fayez.
Title	:	Influence of exercises on levodopa bioavailability in parkinsonian patients.
Dept.	:	Physical Therapy Department for Neuromuscular and Neurosurgical Disorder and its Surgery.
Supervisors	1.	Nahed Ahmed Salem.
	2.	Ahmed Tallat El-Ghoniemy.
	3.	Mohamed Nabil El-Bahrawy.
Degree	:	Doctoral.
Year	:	2001.
Abstract	:	
<p>The aim of this work was to determine the effect of moderate intensity exercises on levodopa bioavailability and its relationship with the degree of motor impairment in Parkinsonian patients. In this study the bioavailability of levodopa was measured at time of drug ingestion and at 30 min , 45 min , 60 min. and 75 min. after drug ingestion in both exercise and non exercise day. tremors, rigidity and bradykinesia were assessed by using (UPDRS) at time of drug ingestion and at 60 min . after drug ingestion. the results showed significant improvement in levodopa bioavailability as well as significant improvement in motor impairment signs with exercises. this work recommended that physical therapy intervention in form of moderate intensity exercise is effective in improving levodopa bioavailability and in turn improving motor impairment signs in Parkinson's disease patients .</p>		
Key words	1.	Parkinson's disease.
	2.	Bioavailability.
	3.	Levodopa.
	4.	Exercises.
Arabic Title Page	:	تأثير التمارين على مستوى الليفودوبا فى مرضى الشلل الرعاش.
Library register number	:	822-823.

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