

**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**

Master Degree

1974

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Title	:	Observation on muscle power in various neurological disorders with evaluation to the effect of physical therapy.
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Abstract	:	

Part I : Includes previous report of various investigation on the same field as the present work .
Part II : Represents the material and methods employed in the present studies . **Part III :** Shows the results obtained : A. The muscle power of flexor digitorum profundus was investigated in 113 normal subject of ages ranging from 6-80 years . A relation ship is observed between age and muscle power . Thus an increase in all parameters of muscle contraction occurred by age until age of 34 years . Then gradual decline was noticed . Also a sex linked difference was noticed . Namely males have more muscle power than females . B. The muscle power and functional strength was investigated in 4 groups of upper motor neuron lesion namely hemiplegia , paraplegia quadriplegia and right monoplegia . In all groups reduced muscle power and functional strength was noticed . C. The muscle power and functional strength was investigated in 3 groups of lower motor neuron lesion namely , poliomyelitis , peripheral nerve injury and polyneuritis . There was reduction in muscle power and functional strength in all the 3 groups . The worst of all was the polynsuritis probably because of the sensory loss . D. The muscle power and functional strength was investigated in cases of muscle dystrophies . The result shows poor muscle power and functional strength . E. Lastly evaluation of the effect of physiotherapy on the muscle power and functional strength in cases of polyneuritis was done .

Key words	1. Nervous system. 2. Physiology. 3. Neurophysiology. 4. Neuromuscular Diseases 5. Neuromuscular Disorders 6. Neurology
Arabic Title Page	: ملاحظات على القوة العضلية في بعض الامراض العصبية المختلفة مع تقييم تأثير العلاج بالوسائل الطبيعية عليها.
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