

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.
Dept.	:	Physical Therapy Department for Neuromuscular and Neurosurgical Disorder and its Surgery.
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Abstract	:	
<p>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 hemiplegea , 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 .</p>		
Key words	1.	Nervous system.
	2.	Physiology.
	3.	Neurophysiology.
	4.	Neuromuscular Diseases
	5.	Neuromuscular Disorders
	6.	Neurology
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