

**ELECTRONIC GUIDE TO THESES APPROVED BY  
PHYSICAL THERAPY DEPARTMENT FOR NEUROMUSCULAR  
AND NEUROSURGICAL DISORDER AND ITS SURGERY  
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## Physical Therapy Department for Neuromuscular and Neurosurgical Disorder and Its Surgery

Master Degree  
1978

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<b>Title</b>	:	Neurological manifestation of spondylosis : Evaluation and treatment.
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<b>Degree</b>	:	Master.
<b>Year</b>	:	1978.
<b>Abstract</b>	:	
<p>The aim of our study is to measure the effects of different programs of physical treatment on lumbar spondylosis ; to dooing a definite line of physical treatment among the different physical modalities . Heat spa , and manual modalities were combined together to form four treatment programs . These programs are : A: heat + spa , B: heat + manual C: spa + manual , D: heat + spa + manual1 . Heat therapy used were infrared , short wave and ultras nic spa therapy used were sulphur water and maud bath " Helwan bath " Manual therapy used were massage , manipulation and exercises . Many literature discures the effects of each physical modality on the human body and on the cases of spondylosis . But little has been reported about a definite treatment modality to be more effective in such cases . In this thesis 32 cases of lumbar spondylosis were studied using before and after a complexed plan of treatment tests were : a. Clinical examination which includ test of mobility test of sensation and assessment of the pain , and test of mater strength and muscles test . b. X- ray examination in which characteristic feature of degenerative changes are apper . The patients were grouped into 4 groups . Each of which followed certin treatment program for one month in which 12 session were applied .</p>		
<b>Key words</b>	1.	Spinal cord.
	2.	Diseases - Complications.
	3.	Spinal osteophytosis.
	4.	Neurological spondylosis.
	5.	Cervical vertebrae.
	6.	Cervical spondylosis.
	7.	spondylosis .
<b>Arabic Title Page</b>	:	الظواهر العصبية فى امراض التاكل العظمى : تقييمها وعلاجها.
<b>Library register number</b>	:	34-35.