

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

## Physical Therapy Department for Musculoskeletal Disorder and Its Surgery

Master Degree  
1980

<b>Author</b>	:	Emad Fikry Youssef.
<b>Title</b>	:	Essay on biofeedback theory , principles , and practical application with clinical demonstration on limb load monitor.
<b>Dept.</b>	:	Physical Therapy Department for musculoskeletal disorder and its Surgery.
<b>Supervisors</b>	1.	M. A. Abd El Salam El Banna.
	2.	Mohamed Gamil El Hanak.
<b>Degree</b>	:	Master.
<b>Year</b>	:	1980.
<b>Abstract</b>	:	
<p>Biofeedback therapy is the technique of providing visual or auditory signals to a patient . These signals inform him of the status of particular body functions . The patient might be trained to control those signals for therapeutic purposes . The biofeedback therapy is not yet known or used extensively in Egypt. It is evident that there is lack of information and research in this area . The purpose of this work is to discuss the essential theoretical information and necessary techniques of application of biofeedback therapy . This will enable the therapists to apply this updated technique . Many investigators have tried to explain the process of biofeedback therapy . However , no firm conclusion can be stated presently regarding the theory and cause of recovery following treatment by biofeedback . Recovery following treatment by biofeedback may be due to the following possibilities : Brain plasticity phenomenon , Activation of unused central synapses Activation of old persisting central pathways .</p>		
<b>Key words</b>	1.	Biofeedback training.
	2.	Limb load monitor.
	3.	Biological Control Systems.
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<b>Library register number</b>	:	88-89.

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Author	:	Fatma Abd El-Fattah El-Hamalawy.
Title	:	A further study on the lumbosacral function in man with reference to low back pain.
Dept.	:	Physical Therapy Department for musculoskeletal disorder and its Surgery.
Supervisors	1.	M. Gamil El-Hanak.
	2.	M. Fawzi Gaballah.
Degree	:	Master.
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<b>Library register number</b>	:	<b>99-100.</b>

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