

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

## **Physical Therapy Department for Cardiopulmonary Disorder and Geriatrics and Its Surgery**

**Doctoral Degree  
2001**

<b>Author</b>	:	<b>Eman Yassin Salim Abdou.</b>
<b>Title</b>	:	<b>Low intensity laser therapy versus cardiac rehabilitation program for ischemic heart disease patients.</b>
<b>Dept.</b>	:	<b>Physical Therapy Department for Cardiopulmonary Disorder and Geriatrics and its Surgery.</b>
<b>Supervisors</b>		<b>1. Nagwa Mohamed Hamed Badr.</b>
		<b>2. Mostafa Abd El- Salam.</b>
		<b>3. Zienab Mohamed Helmy.</b>
<b>Degree</b>	:	<b>Doctoral.</b>
<b>Year</b>	:	<b>2001.</b>
<b>Abstract</b>	:	
<p>The aim of this study is to investigate the effect of laser therapy as a new trend for improving L.V. function versus C.R in patients with IHD to disease. Sixty patients aged 45-70 years old were selected form national heart institute- Imbaba- Cairo. they were randomly assigned into 4 groups, each consisted of 15 patients . first group received laser therapy, second group enrolled in an exercise training program, third group received laser therapy and exercise training, and the fourth groups received their medication only. Assessment was done by cardiopulmonary stress exercise test, 24 hour holter monitoring, and dobutamine stress echo cardiography before and after 3 months of the study. data were collected and calculated and the results showed significant increase in peak oxygen consumption, significant increase in R-R intervals of the 24 hour holter monitoring , and significant improvement in the results of determine stress echocardiography of the 3 studies groups , whether there was no significant results in the control group also there were no significant results in between the 3 studies groups 50 we concluded that the laser therapy , cardiac rehabilitation and the leaser therapy combined with cardiac rehabilitation are three effective methods in the rehabilitation of ischemic heart disease patients .</p>		
<b>Key words</b>		<b>1. Laser therapy.</b>
		<b>2. cardiac rehabilitation.</b>
		<b>3. heart disease.</b>
		<b>4. Lasers.</b>
<b>Arabic Title Page</b>	:	<b>مقارنة بين الليزر العلاجي ذو الشدة المنخفضة وبرنامج تأهيل القلب علي مرضي الذبحة الصدرية.</b>
<b>Library register number</b>	:	<b>806-807.</b>

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

<b>Author</b>	:	<b>Hamada Eid Seef Hassan.</b>
<b>Title</b>	:	<b>Efficacy of laser acupuncture versus exercise program on elderly's immune system.</b>
<b>Dept.</b>	:	<b>Physical Therapy Department for Cardiopulmonary Disorder and Geriatrics and its Surgery.</b>
<b>Supervisors</b>	1.	<b>Nagwa Mohamed Hamed Badr.</b>
	2.	<b>Fawzy A. Halawa.</b>
	3.	<b>Aziz Guirguis Aziz.</b>
<b>Degree</b>	:	<b>Doctoral.</b>
<b>Year</b>	:	<b>2001.</b>
<b>Abstract</b>	:	
<p>This study aimed to investigate both effects of laser acupuncture and exercise program on modulation of the function of immune system (Serum interleukin-2) in elderly. So, forty volunteer healthy elderly subjects were selected randomly with mean age ranged from 55 - 68 years. They were classified into two equally homogenous groups. Laser group: included 10 males and 10 females, each subject of the laser group received 90 seconds, 3 time / weak for one each of the acupuncture points specific for the immune system Exercise group: Included 10 male and 10 females. Each subject performed the first 3 grades of symptom limited modified burse protocol, 3 times / week for one month. The result of this study concluded that , both laser acupuncture and exercise program play an important regulatory role in the immune system response in elderly's immune system . Thus laser acupuncture therapy and practicing of moderate training exercise program has a beneficial effect on the immune system of sedentary elderly subjects.</p>		
<b>Key words</b>	1.	<b>Lasers.</b>
	2.	<b>Exercises.</b>
	3.	<b>immune system.</b>
<b>Arabic Title Page</b>	:	<b>مقارنة بين كفاءة الليزر وبرنامج التمرينات علي الجهاز المناعي للمسنين.</b>
<b>Library register number</b>	:	<b>762-763.</b>