

**ELECTRONIC GUIDE TO THESES APPROVED BY  
PHYSICAL THERAPY DEPARTMENT FOR CARDIOPULMONARY  
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  
1997

<b>Author</b>	:	Mohamed Abdel Hamid Sallam.
<b>Title</b>	:	Ergometer exercise protocol in relation to arterial blood gases in chronic obstructive pulmonary diseases.
<b>Dept.</b>	:	Physical Therapy Department for Cardiopulmonary Disorder and Geriatrics and its Surgery.
<b>Supervisors</b>	1.	Azza Abd El Aziz Abd El-Hady.
	2.	Nagiub Mohamed Salem.
	3.	Khaled Eid Sobhy.
<b>Degree</b>	:	Doctoral.
<b>Year</b>	:	1997.
<b>Abstract</b>	:	
<p>We investigated the relationship between the ergometer exercise protocol and the arterial blood oxygenation in a Cases with mild to moderate chronic obstructive pulmonary disease in 76 patients (52males and 24 females) . Results of this current research indicate that , the ergonomic exercise have positive effect on increase Pao<sub>2</sub> after 4 weeks of exercise program . the Pao<sub>2</sub> at the starting of program was 75. 16 mmHg and it was 77.07 mmHg after 4 weeks of exercise program . Also , it indicated that , there was highly positive correlation between Pao<sub>2</sub> 0.1 , Paco<sub>2</sub> 0.12 , PH 0.08 of arterial blood and exercise program (P &lt; 0.001) These results recommend exercising COPD patients for 4 weeks every other day to improve patients blood gases and cardiopulmonary capabilities required for daily living activities . Therefore, pulmonary rehabilitation is directed . to all patients with mild to moderate chronic obstructive pulmonary disease.</p>		
<b>Key words</b>	1.	Ergometer exercise protocol.
	2.	arterial blood gases
	3.	chronic obstructive pulmonary diseases.
	4.	pulmonary diseases.
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<b>Title</b>	:	<b>Effect of laser therapy on chronic maxillary sinusitis and its relevants to blood gases.</b>
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	3.	<b>Zahra Mohamed Hussein Serry.</b>
<b>Degree</b>	:	<b>Doctoral.</b>
<b>Year</b>	:	<b>1997.</b>
<b>Abstract</b>	:	
<p><b>Main aim : to know the effect of laser therapy on chronic maxillary sinusitis and its relevants to lung volume and blood gases . 150 patients who are between 25-45 years old were chosen from E.N.T. patients from Mataria Teaching Hospital . The patients divided into three groups each group equal 50 patients . All patients treated with medical tretment (antibiotic according to culture sensitivity . anti- inflammatory, mucolytic and sedative drugs). The first group plus medical treatment , treated with laser thrapy for 12 setting , 3 times/week , for 12 minutes. The second group added to them breathing exercises , and third group treated with medical treatment only . All the patients treated for one month. from results found that , there are significant improvement for all patients (3 groups) . But the first group was highly significant improvement than the other two groups. Also , found there are significant</b></p>		
<b>Key words</b>	1.	<b>Laser therapy.</b>
	2.	<b>Chronic maxillary sinusitis.</b>
	3.	<b>Blood gases.</b>
	4.	<b>Lasers.</b>
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