

**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

Master Degree
1984

Author	:	Hosam Eldin Hasan Aly Salem.
Title	:	The aerobic training in relation to emphysema.
Dept.	:	Physical Therapy Department for Cardiopulmonary Disorder and Geriatrics and its Surgery.
Supervisors	1.	Azza A. Abd El-Hady.
	2.	Farouk Abd El-Wahab.
	3.	Mohamed Sheta.
Degree	:	Master.
Year	:	1984.
Abstract	:	
<p>The effect of the aerobic training on the aerobic capacity in cases of emphysema with cor pulmonale was studied. also changes in breathing frequency , minute ventilation , heart rate , oxygen consumption and pulse , carbon dioxide production , respiratory quotient and metabolic equivalent were also determined. pulmonary function test (VC max . and FEV 1) was done with spiroscreen II spirometer , while the exercise testing was done with pneumotest gas analyzer , by ergometer bicycle. the last tests were done by these modernized , sophisticated and computerized equipments in the national research centre of sports. the fourteen patients who were selected for this experiment received exercise training program for one month in kasr el Aini hospital , and by ergometer bicycle too , as they were retested after this course. there was a significant increase in the exercise tolerance , with significant fall in breathing frequency , minute ventilation , heart rate , oxygen consumption and pulse , carbon dioxide production , respiratory quotient and metabolic equivalent.</p>		
Key words	1.	aerobic training.
	2.	emphysema.
Arabic Title Page	:	تأثير التدريب الهوائي على مرضى إنتفاخ الرئة.
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Author	:	Rokia Mostafa Mahmoud El-Sabagh.
Title	:	The effect of heating the cervical region on arterial blood pressure.
Dept.	:	Physical Therapy Department for Cardiopulmonary Disorder and Geriatrics and its Surgery.
Supervisors	1.	Azza A. Abd El-Hady.
	2.	Fatma Makarm Ahmed Mahmoud.
Degree	:	Master.
Year	:	1984.
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	4.	blood pressure.
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