= Chapter = Contents = Page =

List of Tables ...

I	Introduction	I
II	Review of Literature	5
	Chronic Obstructive Pulmonary Disease (COPD)	5
	– Etiology	5 6
	- Pathophysiology	6
	- Symptoms and Signs	7
	– Pathology	8
	- Laboratory Findings	9
	- Detection of COPD	10
	- Complications	II
	Bronchial Asthma	13
	 Etiology and Pathophysiology 	13
	- Pathological Features	14
	– Signs and Symptoms	14
	Chronic Bronchitis	16
	 Etiology and Pathophysiology 	16
	- Signs and Symptoms	16
	Emphysema	18
	 Etiology and Pathophysiology 	18
	- Pathological Features	18
	– Signs and Symptoms	19
	Management of COPD	21
	- Preventive Measures	21
	 Pharmacological Therapy 	23
	 Long-Term Oxygen Therapy (LTOT) 	31
	- Aerosol Therapy	35
	Pulmonary Rehabilitation	37
	 Goals of Pulmonary Rehabilitation Program (PRP) 	37
	- Teaching Methods	40
	- Sequence of PRP	40
	- Chest Physiotherapy	43
	- Psychosocial Support	47
ITI	Aim of the Work	49

= Chapter = Contents = Page =

IV	 Methodology Setting Samples Tool Methods Implementation of the Study Statistical Analysis 	50 50 50 51 57 59 63
V	Results Characteristics of the Studied Sample Teaching - Learning Needs Pertaining to Knowledge and Skills of Studied Sample in Different Phases of the Study	65 65 68
	 Physiological and Functional Status Parameters of the Studied Sample Comparisons Among Studied Variables in the Late Follow-up 	79 8 9
VI	Discussion	93
• •	The Personal Characteristics	93
	Teaching - Learning Needs	94
	Pulmonary Functional Tests	IOI
	Pulmonary Functional Status	103
VII	Conclusion	109
VIII	Recommendations	ПО
IX	Summary	112
X	References	117
	Аррендіх • Appendix I • Appendix II	
	Protocol of Thesis	
	Arabic Summary	