Contents	Page
Introduction	1
Aim of the Work	3
Review of literature	4
Definition and incidence of thalassemia	4
Normal hemoglobin synhesis	5
Pathphysiology of β-thalassemia major	6
Pathology	7
Classifications of thalassemia	9
Clinical manifestations of β- thalassemia major	11
Complication of β- thalassemia major:	13
Diagnostic investigations of β- thalassemia major	17
Treatment of β- thalassemia major	19
Prognosis of β- thalassemia major	25
Role of the nurse	27
Subject and methods	37
Results	41
Discussion	66
Conclusion	75
Recommendations	76
Summary	77
Reference	82
Arabic summary	
Appendies	