

CONTENTS

Contents	Page
Abbreviations	I
List of Tables	II
List of Figures	III
Introduction & Aim of the work	1
Review of literature	
- Chapter (1): Basics of stem cells	5
1.1 Properties of stem cells	7
1.2 Importance of stem cells	10
1.3 Sources of stem cells	11
1.4 Advantages and disadvantages of embryonic and adult stem cells	15
- Chapter (2): Limbal stem cells deficiency disorders.	16
- Chapter (3): Techniques of limbal stem cells transplantation.	33
3.1 Preoperative Staging of Ocular Surface Disease	34
3.2 Types of surgical techniques for limbal transplantation	37
3.3 Postoperative management and immunosuppression	42
- Chapter (4): Culture of limbal stem cells	52
- Chapter (5): Failure of limbal stem cell transplantation and strategies to improve outcomes	57
- Chapter (6): Role of stem cells in treatment of pterygium	66
- Chapter (7): Stem cells and retinal transplantation	72
- Chapter (8): Stem cells in treatment of glaucoma	87
- Chapter (8): Ethics of stem cells transplantation	93
English Summary	98
Reference	100

Arabic summary	
----------------	--